

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: P303059

Luminaire Tested: **CTW-F-2575-20L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-2575-20L840-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

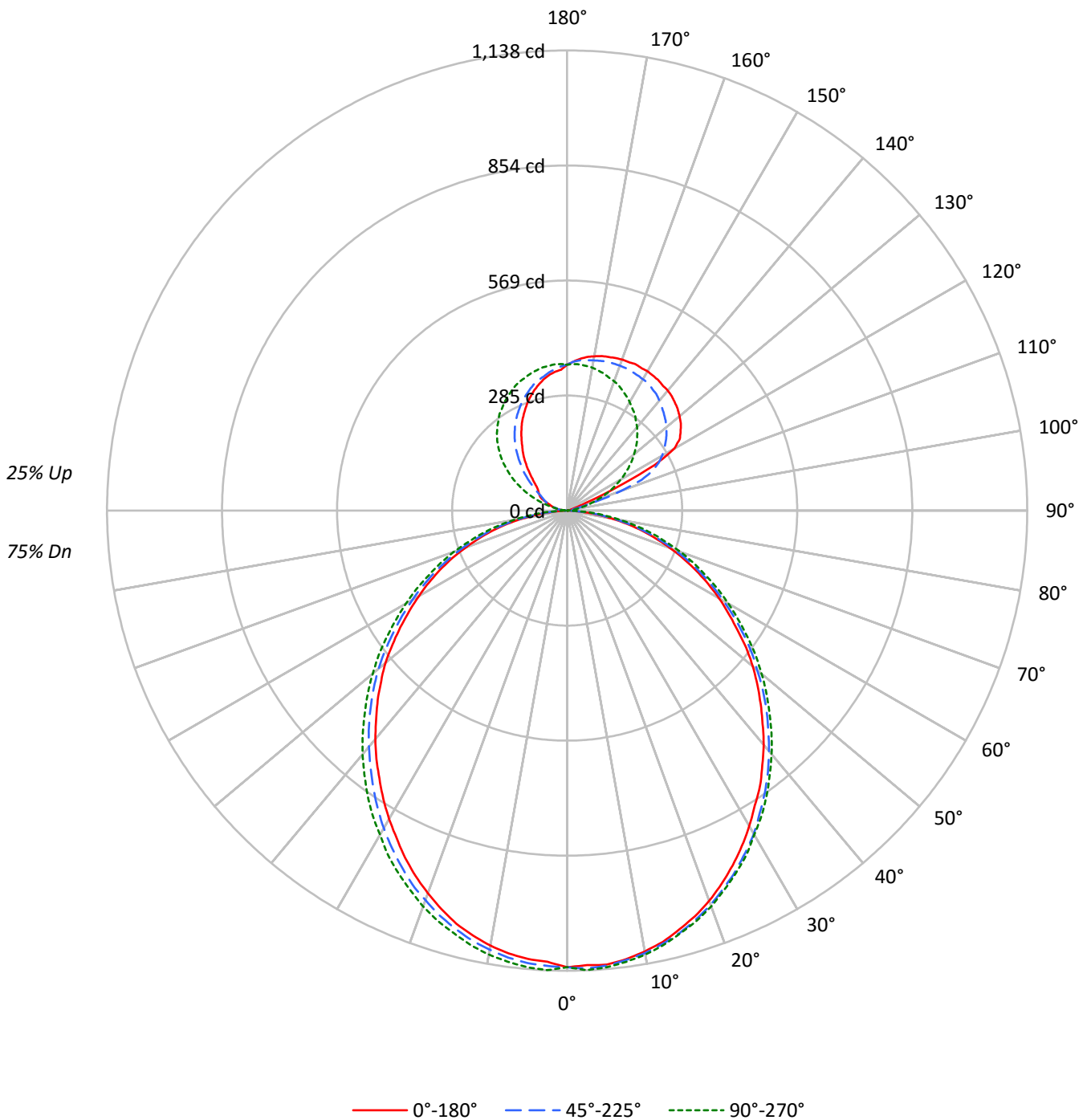
Lumens per Lamp: N/A
Luminaire Lumens: 4033.0 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 32.7
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	0
RCR																		
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	103	99	94	91	98	94	90	87	85	82	80	77	75	73	69	68	66	63
2	94	86	79	74	89	82	76	71	74	70	66	67	64	61	61	58	56	52
3	86	76	68	62	81	72	65	59	66	60	55	60	55	51	54	50	47	44
4	78	67	59	52	74	64	56	50	58	52	47	53	48	44	48	44	41	38
5	72	60	51	45	68	57	49	43	52	46	41	48	42	38	43	39	35	33
6	66	54	45	39	63	51	44	38	47	40	36	43	38	33	39	35	31	29
7	61	49	40	34	58	47	39	33	43	36	31	39	34	30	36	31	28	25
8	57	44	36	31	54	42	35	30	39	33	28	36	30	26	33	28	25	23
9	53	41	33	27	51	39	32	27	36	30	25	33	28	24	30	26	22	20
10	50	37	30	25	47	36	29	24	33	27	23	31	25	22	28	24	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	12156	12156	12156
5°	12181	12246	12026
10°	12098	12187	11942
15°	11948	12062	11790
20°	11769	11932	11535
25°	11500	11742	11258
30°	11199	11503	10945
35°	10929	11303	10634
40°	10627	11056	10368
45°	10303	10767	10085
50°	10036	10513	9831
55°	9640	10215	9449
60°	9347	9918	9128
65°	8983	9605	8825
70°	8532	9366	8403
75°	7968	8987	7885
80°	6825	8337	6825
85°	4533	7299	4533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	2.6
10°-20°	301.9	7.5
20°-30°	447.2	11.1
30°-40°	524.7	13.0
40°-50°	531.7	13.2
50°-60°	471.8	11.7
60°-70°	359.7	8.9
70°-80°	212.8	5.3
80°-90°	56.1	1.4
90°-100°	10.4	0.3
100°-110°	45.1	1.1
110°-120°	125.4	3.1
120°-130°	179.4	4.4
130°-140°	193.0	4.8
140°-150°	183.4	4.5
150°-160°	150.6	3.7
160°-170°	98.7	2.4
170°-180°	34.3	0.8
0°-30°	855.7	21.2
0°-40°	1380.4	34.2
0°-60°	2383.9	59.1
0°-90°	3012.6	74.7
90°-120°	181.0	4.5
90°-150°	736.8	18.3
90°-180°	1020.0	25.3
0°-180°	4033.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1129	1129	1129	1129	1129	
5°	1127	1129	1133	1123	1113	107
15°	1072	1080	1082	1070	1058	302
25°	968	985	989	970	948	446
35°	832	852	860	836	809	519
45°	677	697	707	687	662	523
55°	514	532	544	524	504	461
65°	353	365	377	361	346	349
75°	192	200	216	200	190	201
85°	37	45	59	45	37	45
90°	0	0	0	2	4	1
95°	2	4	8	14	12	3
105°	12	35	49	35	39	14
115°	130	232	118	63	69	145
125°	342	298	186	102	88	305
135°	377	338	245	163	130	291
145°	393	367	292	226	194	247
155°	400	379	326	279	257	184
165°	393	381	351	322	310	112
175°	377	373	363	351	344	36
180°	361	361	361	361	361	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3
2.5°	1125.2	1125.2	1125.2	1127.3	1129.3	1129.3	1129.3	1127.3	1129.3	1135.4	1133.4
5°	1127.3	1125.2	1125.2	1123.2	1125.2	1125.2	1125.2	1123.2	1125.2	1131.3	1129.3
7.5°	1119.1	1119.1	1119.1	1117.1	1119.1	1117.1	1117.1	1115.0	1119.1	1123.2	1121.2
10°	1106.9	1104.8	1104.8	1104.8	1106.9	1106.9	1104.8	1104.8	1106.9	1113.0	1111.0
12.5°	1092.6	1092.6	1092.6	1090.6	1092.6	1092.6	1092.6	1090.6	1092.6	1098.7	1096.7
15°	1072.2	1074.3	1074.3	1072.2	1076.3	1076.3	1074.3	1074.3	1076.3	1080.4	1080.4
17.5°	1051.8	1051.8	1051.8	1051.8	1055.9	1053.9	1053.9	1053.9	1055.9	1060.0	1060.0
20°	1027.4	1027.4	1027.4	1025.3	1029.4	1029.4	1029.4	1029.4	1031.5	1037.6	1037.6
22.5°	998.8	998.8	998.8	998.8	1000.9	1000.9	1000.9	1000.9	1002.9	1009.0	1011.1
25°	968.3	968.3	968.3	968.3	970.3	970.3	970.3	972.3	974.4	980.5	984.6
27.5°	935.7	937.7	937.7	937.7	937.7	939.7	939.7	941.8	943.8	947.9	954.0
30°	901.0	901.0	903.0	903.0	905.1	905.1	905.1	907.1	911.2	915.3	923.4
32.5°	864.3	866.3	868.4	868.4	870.4	870.4	872.5	872.5	876.5	878.6	886.7
35°	831.7	831.7	829.7	833.7	833.7	833.7	835.8	837.8	837.8	841.9	852.1
37.5°	793.0	795.0	793.0	797.0	799.1	797.0	799.1	801.1	803.2	805.2	815.4
40°	756.3	756.3	756.3	758.3	760.3	760.3	760.3	762.4	766.5	770.5	776.7
42.5°	715.5	717.5	717.5	719.6	721.6	719.6	721.6	725.7	727.7	731.8	735.9
45°	676.8	678.8	676.8	680.8	682.9	682.9	682.9	687.0	689.0	691.0	697.2
47.5°	638.0	640.1	638.0	640.1	644.2	644.2	644.2	646.2	650.3	652.3	656.4
50°	599.3	599.3	599.3	601.3	603.4	605.4	605.4	605.4	609.5	611.5	613.6
52.5°	558.5	558.5	558.5	562.6	562.6	562.6	564.7	566.7	568.7	572.8	574.8
55°	513.7	513.7	513.7	515.7	517.8	517.8	519.8	521.8	523.9	525.9	532.0
57.5°	472.9	475.0	472.9	475.0	477.0	477.0	481.1	481.1	483.1	485.2	489.2
60°	434.2	434.2	434.2	434.2	436.2	436.2	436.2	438.3	442.3	444.4	446.4
62.5°	393.4	393.4	393.4	395.5	395.5	395.5	397.5	399.5	401.6	403.6	405.7
65°	352.7	352.7	352.7	354.7	354.7	354.7	354.7	358.8	360.8	362.8	364.9
67.5°	311.9	311.9	311.9	313.9	313.9	313.9	316.0	318.0	320.0	322.1	324.1
70°	271.1	273.2	271.1	273.2	273.2	273.2	275.2	277.2	277.2	281.3	281.3
72.5°	230.3	230.3	230.3	232.4	232.4	234.4	234.4	236.5	236.5	238.5	240.5
75°	191.6	189.6	191.6	193.7	191.6	191.6	193.7	195.7	197.7	199.8	199.8
77.5°	150.8	150.8	150.8	152.9	154.9	152.9	154.9	157.0	157.0	161.0	159.0
80°	110.1	110.1	112.1	114.2	114.2	114.2	114.2	116.2	118.2	120.3	120.3
82.5°	71.3	73.4	73.4	75.4	75.4	75.4	77.5	77.5	79.5	81.5	81.5
85°	36.7	38.7	36.7	38.7	38.7	40.8	40.8	40.8	42.8	44.8	44.8
87.5°	8.2	6.1	6.1	8.2	6.1	8.2	8.2	8.2	8.2	10.2	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
95°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
97.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1
100°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.2	8.2	8.2	10.2
102.5°	8.2	8.2	8.2	8.2	10.2	10.2	10.2	10.2	12.2	14.3	16.3
105°	12.2	12.2	12.2	12.2	12.2	12.2	14.3	16.3	18.3	24.5	34.7
107.5°	16.3	16.3	16.3	18.3	18.3	20.4	20.4	26.5	36.7	51.0	77.5
110°	24.5	26.5	26.5	30.6	34.7	38.7	42.8	59.1	81.5	114.2	140.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	51.0	55.0	57.1	69.3	85.6	95.8	104.0	134.5	167.2	187.5	199.8
115°	130.5	136.6	144.7	163.1	185.5	195.7	203.8	222.2	234.4	236.5	232.4
117.5°	244.6	246.7	250.7	260.9	267.0	269.1	269.1	271.1	269.1	263.0	254.8
120°	305.8	305.8	303.7	303.7	301.7	301.7	299.7	293.5	287.4	281.3	271.1
122.5°	330.2	328.2	326.2	324.1	322.1	318.0	316.0	309.8	303.7	295.6	285.4
125°	342.5	342.5	340.4	338.4	334.3	332.3	328.2	322.1	316.0	307.8	297.6
127.5°	354.7	352.7	350.6	348.6	344.5	342.5	340.4	334.3	326.2	318.0	309.8
130°	362.8	362.8	360.8	358.8	354.7	352.7	348.6	344.5	336.3	328.2	320.0
132.5°	371.0	371.0	369.0	366.9	362.8	360.8	358.8	352.7	344.5	338.4	330.2
135°	377.1	377.1	375.1	373.0	369.0	366.9	364.9	360.8	352.7	346.5	338.4
137.5°	383.2	381.2	379.2	379.2	375.1	373.0	371.0	366.9	358.8	352.7	346.5
140°	387.3	385.3	385.3	383.2	379.2	379.2	377.1	371.0	366.9	360.8	354.7
142.5°	389.3	389.3	389.3	387.3	383.2	383.2	381.2	377.1	371.0	366.9	362.8
145°	393.4	391.4	391.4	389.3	387.3	387.3	385.3	381.2	375.1	371.0	366.9
147.5°	395.5	395.5	393.4	393.4	391.4	389.3	389.3	385.3	379.2	375.1	373.0
150°	397.5	397.5	395.5	395.5	393.4	391.4	391.4	387.3	381.2	379.2	375.1
152.5°	397.5	397.5	397.5	395.5	395.5	393.4	391.4	387.3	385.3	381.2	377.1
155°	399.5	399.5	397.5	397.5	395.5	393.4	391.4	389.3	385.3	383.2	379.2
157.5°	397.5	399.5	397.5	395.5	395.5	393.4	391.4	389.3	385.3	385.3	381.2
160°	397.5	397.5	397.5	395.5	395.5	393.4	391.4	389.3	387.3	385.3	381.2
162.5°	395.5	395.5	395.5	395.5	393.4	393.4	391.4	387.3	385.3	385.3	381.2
165°	393.4	395.5	393.4	393.4	391.4	391.4	389.3	387.3	385.3	385.3	381.2
167.5°	391.4	391.4	389.3	389.3	387.3	387.3	385.3	383.2	383.2	383.2	379.2
170°	387.3	387.3	385.3	385.3	385.3	383.2	383.2	381.2	381.2	381.2	377.1
172.5°	383.2	383.2	381.2	381.2	381.2	379.2	379.2	377.1	377.1	377.1	375.1
175°	377.1	377.1	375.1	375.1	375.1	375.1	375.1	373.0	373.0	375.1	373.0
177.5°	369.0	366.9	369.0	369.0	369.0	369.0	369.0	366.9	369.0	369.0	369.0
180°	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3
2.5°	1125.2	1123.2	1121.2	1125.2	1127.3	1129.3	1131.3	1135.4	1137.5	1137.5	1135.4
5°	1121.2	1119.1	1117.1	1121.2	1123.2	1123.2	1125.2	1131.3	1131.3	1133.4	1131.3
7.5°	1113.0	1111.0	1111.0	1113.0	1115.0	1117.1	1119.1	1123.2	1125.2	1125.2	1123.2
10°	1102.8	1100.8	1100.8	1102.8	1104.8	1106.9	1106.9	1111.0	1113.0	1115.0	1113.0
12.5°	1090.6	1086.5	1086.5	1088.5	1090.6	1092.6	1094.7	1098.7	1100.8	1100.8	1098.7
15°	1072.2	1068.2	1068.2	1072.2	1074.3	1076.3	1076.3	1080.4	1082.4	1082.4	1082.4
17.5°	1053.9	1049.8	1049.8	1051.8	1053.9	1055.9	1055.9	1062.0	1062.0	1064.1	1062.0
20°	1031.5	1027.4	1027.4	1029.4	1031.5	1033.5	1033.5	1037.6	1039.6	1041.7	1039.6
22.5°	1005.0	1002.9	1002.9	1005.0	1007.0	1009.0	1009.0	1013.1	1015.2	1015.2	1015.2
25°	978.5	974.4	974.4	976.4	978.5	980.5	982.5	986.6	988.7	988.7	986.6
27.5°	949.9	945.8	943.8	945.8	949.9	952.0	954.0	958.1	960.1	960.1	958.1
30°	919.3	913.2	911.2	915.3	919.3	921.4	921.4	925.5	927.5	925.5	925.5
32.5°	884.7	882.7	878.6	880.6	884.7	886.7	888.8	892.8	894.9	894.9	890.8
35°	852.1	848.0	846.0	846.0	850.0	852.1	854.1	856.2	858.2	860.2	858.2
37.5°	817.4	813.3	811.3	813.3	815.4	817.4	819.5	821.5	823.5	823.5	821.5
40°	780.7	776.7	774.6	776.7	776.7	778.7	782.8	784.8	788.9	786.8	782.8
42.5°	742.0	737.9	737.9	735.9	740.0	744.0	744.0	746.1	750.2	748.1	746.1
45°	703.3	701.2	699.2	701.2	699.2	703.3	707.3	707.3	709.4	707.3	707.3
47.5°	662.5	660.5	660.5	662.5	662.5	662.5	666.6	668.6	668.6	668.6	668.6
50°	621.7	619.7	621.7	623.8	623.8	623.8	625.8	627.8	627.8	627.8	625.8
52.5°	578.9	583.0	581.0	583.0	583.0	585.0	587.1	587.1	589.1	587.1	585.0
55°	534.1	538.2	540.2	542.2	544.3	542.2	544.3	546.3	548.3	544.3	544.3
57.5°	491.3	493.3	495.3	497.4	499.4	497.4	499.4	501.5	499.4	501.5	499.4
60°	450.5	452.5	452.5	456.6	458.7	456.6	458.7	460.7	460.7	460.7	458.7
62.5°	411.8	411.8	411.8	417.9	415.8	415.8	417.9	419.9	419.9	419.9	417.9
65°	369.0	371.0	371.0	373.0	375.1	375.1	375.1	377.1	379.2	377.1	377.1
67.5°	324.1	330.2	328.2	330.2	332.3	334.3	336.3	336.3	336.3	338.4	336.3
70°	285.4	287.4	287.4	291.5	293.5	293.5	295.6	295.6	297.6	297.6	295.6
72.5°	244.6	246.7	248.7	250.7	250.7	252.8	252.8	252.8	256.8	254.8	254.8
75°	203.8	205.9	207.9	210.0	210.0	212.0	212.0	212.0	214.0	216.1	214.0
77.5°	163.1	165.1	167.2	169.2	169.2	171.2	173.3	171.2	173.3	175.3	173.3
80°	124.3	126.4	126.4	128.4	130.5	130.5	132.5	132.5	132.5	134.5	132.5
82.5°	85.6	87.7	87.7	91.7	91.7	93.8	93.8	93.8	93.8	95.8	93.8
85°	48.9	51.0	51.0	53.0	55.0	55.0	57.1	57.1	57.1	59.1	57.1
87.5°	14.3	16.3	16.3	18.3	20.4	20.4	22.4	22.4	22.4	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
92.5°	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1	4.1	2.0	4.1
95°	4.1	4.1	6.1	8.2	8.2	10.2	12.2	12.2	10.2	8.2	8.2
97.5°	6.1	8.2	12.2	18.3	20.4	22.4	24.5	22.4	18.3	14.3	14.3
100°	12.2	18.3	26.5	34.7	38.7	40.8	40.8	34.7	28.5	24.5	20.4
102.5°	24.5	36.7	51.0	61.2	63.2	63.2	59.1	51.0	42.8	34.7	30.6
105°	51.0	73.4	87.7	91.7	89.7	87.7	79.5	69.3	59.1	48.9	42.8
107.5°	101.9	122.3	124.3	120.3	116.2	112.1	99.9	87.7	75.4	65.2	57.1
110°	157.0	161.0	157.0	144.7	140.7	132.5	120.3	108.0	93.8	81.5	73.4



TEST NUMBER: P303059

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	197.7	189.6	179.4	167.2	161.0	154.9	140.7	128.4	112.1	99.9	89.7
115°	224.2	212.0	199.8	187.5	179.4	173.3	159.0	146.8	130.5	118.2	106.0
117.5°	242.6	230.3	218.1	205.9	197.7	191.6	179.4	163.1	148.8	134.5	124.3
120°	258.9	248.7	234.4	222.2	216.1	210.0	195.7	181.4	165.1	152.9	140.7
122.5°	275.2	263.0	250.7	238.5	232.4	226.3	212.0	195.7	183.5	169.2	157.0
125°	287.4	277.2	265.0	252.8	246.7	240.5	226.3	212.0	197.7	185.5	173.3
127.5°	299.7	289.5	277.2	265.0	258.9	252.8	238.5	226.3	214.0	201.8	189.6
130°	311.9	301.7	289.5	277.2	271.1	265.0	252.8	240.5	228.3	216.1	203.8
132.5°	324.1	311.9	301.7	289.5	283.3	277.2	265.0	252.8	242.6	230.3	220.2
135°	332.3	322.1	309.8	299.7	293.5	287.4	277.2	265.0	254.8	244.6	234.4
137.5°	340.4	330.2	318.0	307.8	301.7	297.6	287.4	277.2	267.0	256.8	246.7
140°	346.5	336.3	326.2	316.0	309.8	307.8	297.6	287.4	279.3	269.1	258.9
142.5°	352.7	342.5	332.3	322.1	318.0	316.0	305.8	297.6	289.5	279.3	271.1
145°	358.8	348.6	338.4	330.2	326.2	322.1	313.9	305.8	299.7	291.5	281.3
147.5°	362.8	352.7	344.5	336.3	332.3	330.2	322.1	316.0	307.8	299.7	291.5
150°	366.9	356.7	350.6	342.5	340.4	336.3	328.2	322.1	316.0	309.8	301.7
152.5°	371.0	360.8	354.7	348.6	346.5	342.5	336.3	330.2	326.2	318.0	311.9
155°	371.0	364.9	358.8	352.7	350.6	348.6	342.5	338.4	332.3	326.2	320.0
157.5°	373.0	366.9	360.8	356.7	354.7	352.7	346.5	344.5	338.4	334.3	326.2
160°	375.1	369.0	362.8	360.8	358.8	356.7	352.7	348.6	344.5	340.4	334.3
162.5°	375.1	371.0	364.9	362.8	360.8	360.8	354.7	352.7	348.6	344.5	340.4
165°	375.1	371.0	366.9	364.9	364.9	362.8	358.8	356.7	352.7	350.6	346.5
167.5°	375.1	371.0	369.0	366.9	366.9	364.9	360.8	360.8	356.7	354.7	350.6
170°	373.0	371.0	369.0	366.9	366.9	366.9	362.8	362.8	360.8	358.8	354.7
172.5°	371.0	369.0	366.9	366.9	366.9	364.9	362.8	362.8	362.8	360.8	358.8
175°	369.0	366.9	364.9	364.9	364.9	364.9	362.8	362.8	362.8	362.8	360.8
177.5°	364.9	362.8	362.8	362.8	362.8	362.8	362.8	362.8	362.8	362.8	362.8
180°	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8



TEST NUMBER: P303059

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3
2.5°	1129.3	1123.2	1123.2	1123.2	1125.2	1127.3	1127.3	1123.2	1127.3	1133.4	1127.3
5°	1123.2	1117.1	1117.1	1119.1	1119.1	1121.2	1121.2	1117.1	1123.2	1127.3	1121.2
7.5°	1117.1	1111.0	1108.9	1111.0	1111.0	1115.0	1113.0	1108.9	1115.0	1117.1	1113.0
10°	1104.8	1098.7	1098.7	1098.7	1100.8	1102.8	1100.8	1096.7	1102.8	1104.8	1100.8
12.5°	1090.6	1082.4	1084.5	1084.5	1086.5	1086.5	1084.5	1082.4	1088.5	1090.6	1084.5
15°	1072.2	1066.1	1066.1	1066.1	1068.2	1070.2	1068.2	1064.1	1070.2	1070.2	1064.1
17.5°	1051.8	1047.8	1045.7	1045.7	1047.8	1049.8	1047.8	1041.7	1049.8	1049.8	1045.7
20°	1029.4	1025.3	1023.3	1023.3	1025.3	1025.3	1023.3	1019.2	1025.3	1025.3	1019.2
22.5°	1005.0	998.8	996.8	998.8	1000.9	998.8	996.8	992.7	1000.9	996.8	992.7
25°	976.4	974.4	970.3	972.3	972.3	972.3	968.3	966.2	970.3	966.2	962.2
27.5°	949.9	943.8	941.8	943.8	941.8	941.8	937.7	935.7	939.7	935.7	931.6
30°	917.3	911.2	911.2	911.2	911.2	909.2	905.1	905.1	907.1	905.1	899.0
32.5°	884.7	878.6	876.5	880.6	878.6	876.5	872.5	872.5	872.5	868.4	862.3
35°	850.0	843.9	843.9	846.0	843.9	841.9	837.8	837.8	835.8	831.7	827.6
37.5°	813.3	809.3	807.2	811.3	809.3	807.2	801.1	803.2	799.1	797.0	793.0
40°	776.7	772.6	770.5	774.6	774.6	768.5	766.5	766.5	762.4	758.3	754.2
42.5°	737.9	733.8	735.9	737.9	737.9	729.8	729.8	727.7	725.7	721.6	717.5
45°	701.2	697.2	697.2	701.2	699.2	693.1	693.1	689.0	687.0	682.9	676.8
47.5°	662.5	658.4	660.5	660.5	660.5	654.3	654.3	650.3	648.2	644.2	640.1
50°	621.7	619.7	621.7	619.7	621.7	615.6	615.6	611.5	609.5	605.4	599.3
52.5°	581.0	581.0	581.0	583.0	581.0	574.8	574.8	570.8	566.7	564.7	560.6
55°	538.2	540.2	540.2	540.2	540.2	532.0	530.0	525.9	523.9	519.8	515.7
57.5°	495.3	497.4	495.3	495.3	495.3	491.3	489.2	487.2	483.1	479.0	477.0
60°	456.6	456.6	454.6	454.6	454.6	450.5	448.5	446.4	442.3	438.3	438.3
62.5°	415.8	415.8	413.8	413.8	411.8	409.7	407.7	405.7	401.6	399.5	397.5
65°	375.1	375.1	373.0	371.0	371.0	369.0	366.9	362.8	360.8	356.7	356.7
67.5°	336.3	334.3	332.3	332.3	332.3	328.2	326.2	322.1	320.0	318.0	318.0
70°	295.6	293.5	291.5	291.5	291.5	287.4	285.4	281.3	279.3	277.2	277.2
72.5°	254.8	252.8	252.8	250.7	248.7	246.7	244.6	242.6	238.5	238.5	236.5
75°	214.0	212.0	210.0	210.0	207.9	205.9	203.8	199.8	199.8	199.8	197.7
77.5°	173.3	171.2	171.2	169.2	169.2	165.1	163.1	165.1	159.0	159.0	157.0
80°	132.5	130.5	132.5	128.4	128.4	126.4	124.3	124.3	120.3	120.3	118.2
82.5°	93.8	91.7	93.8	91.7	89.7	87.7	87.7	85.6	81.5	81.5	79.5
85°	57.1	55.0	57.1	55.0	53.0	51.0	48.9	48.9	44.8	42.8	42.8
87.5°	24.5	20.4	20.4	18.3	18.3	16.3	16.3	16.3	12.2	12.2	10.2
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	6.1	6.1	6.1	8.2	8.2	8.2	6.1	6.1	6.1	6.1
95°	8.2	10.2	12.2	12.2	12.2	14.3	14.3	14.3	14.3	12.2	12.2
97.5°	12.2	14.3	14.3	16.3	16.3	18.3	20.4	20.4	20.4	20.4	20.4
100°	20.4	18.3	20.4	22.4	22.4	22.4	22.4	24.5	24.5	26.5	26.5
102.5°	28.5	26.5	26.5	26.5	26.5	28.5	28.5	28.5	28.5	30.6	30.6
105°	38.7	34.7	32.6	32.6	32.6	34.7	36.7	36.7	34.7	34.7	34.7
107.5°	51.0	44.8	40.8	40.8	40.8	40.8	40.8	42.8	44.8	42.8	42.8
110°	65.2	57.1	53.0	51.0	48.9	46.9	46.9	48.9	51.0	53.0	53.0



TEST NUMBER: P303059

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	79.5	71.3	65.2	63.2	59.1	57.1	55.0	55.0	57.1	59.1	59.1
115°	95.8	87.7	77.5	75.4	71.3	67.3	63.2	63.2	63.2	63.2	65.2
117.5°	112.1	101.9	93.8	89.7	85.6	79.5	73.4	71.3	69.3	69.3	71.3
120°	128.4	120.3	108.0	104.0	99.9	93.8	85.6	81.5	77.5	77.5	77.5
122.5°	144.7	136.6	126.4	120.3	116.2	108.0	99.9	93.8	89.7	85.6	83.6
125°	161.0	152.9	142.7	136.6	132.5	122.3	114.2	108.0	101.9	97.8	93.8
127.5°	177.3	167.2	159.0	154.9	148.8	138.6	130.5	124.3	116.2	110.1	106.0
130°	191.6	183.5	175.3	169.2	165.1	154.9	146.8	138.6	132.5	126.4	120.3
132.5°	207.9	197.7	189.6	185.5	181.4	171.2	163.1	154.9	148.8	142.7	136.6
135°	222.2	212.0	203.8	199.8	195.7	187.5	177.3	171.2	163.1	159.0	152.9
137.5°	234.4	226.3	218.1	214.0	210.0	201.8	193.7	187.5	179.4	173.3	167.2
140°	248.7	238.5	232.4	228.3	224.2	216.1	210.0	203.8	195.7	189.6	183.5
142.5°	260.9	252.8	244.6	240.5	238.5	230.3	222.2	218.1	212.0	205.9	199.8
145°	271.1	263.0	256.8	252.8	248.7	242.6	236.5	232.4	226.3	220.2	214.0
147.5°	281.3	273.2	267.0	265.0	260.9	254.8	248.7	244.6	240.5	236.5	230.3
150°	291.5	283.3	279.3	277.2	273.2	269.1	260.9	258.9	254.8	248.7	244.6
152.5°	301.7	295.6	289.5	287.4	285.4	279.3	273.2	269.1	267.0	260.9	256.8
155°	311.9	303.7	299.7	297.6	295.6	291.5	285.4	281.3	279.3	275.2	271.1
157.5°	318.0	311.9	307.8	305.8	303.7	299.7	295.6	291.5	291.5	285.4	283.3
160°	326.2	320.0	316.0	313.9	313.9	309.8	305.8	301.7	301.7	297.6	295.6
162.5°	332.3	328.2	324.1	324.1	322.1	318.0	316.0	311.9	311.9	309.8	305.8
165°	340.4	334.3	332.3	330.2	330.2	328.2	324.1	320.0	322.1	320.0	316.0
167.5°	344.5	340.4	338.4	338.4	336.3	334.3	332.3	328.2	330.2	328.2	326.2
170°	350.6	344.5	344.5	342.5	342.5	342.5	340.4	336.3	336.3	336.3	334.3
172.5°	352.7	348.6	348.6	348.6	348.6	346.5	346.5	342.5	344.5	344.5	342.5
175°	356.7	352.7	352.7	352.7	352.7	352.7	350.6	348.6	350.6	350.6	348.6
177.5°	358.8	356.7	356.7	356.7	356.7	356.7	356.7	354.7	356.7	358.8	354.7
180°	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8



TEST NUMBER: P303059

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3
2.5°	1127.3	1127.3	1125.2	1125.2	1127.3	1121.2	1117.1	1117.1
5°	1121.2	1119.1	1119.1	1119.1	1121.2	1117.1	1113.0	1113.0
7.5°	1113.0	1111.0	1108.9	1111.0	1113.0	1108.9	1104.8	1104.8
10°	1100.8	1098.7	1096.7	1096.7	1098.7	1094.7	1092.6	1092.6
12.5°	1084.5	1080.4	1078.3	1080.4	1082.4	1078.3	1076.3	1076.3
15°	1064.1	1062.0	1062.0	1062.0	1064.1	1060.0	1055.9	1058.0
17.5°	1043.7	1041.7	1039.6	1041.7	1041.7	1037.6	1033.5	1033.5
20°	1017.2	1015.2	1013.1	1015.2	1015.2	1011.1	1007.0	1007.0
22.5°	988.7	986.6	984.6	986.6	986.6	982.5	978.5	978.5
25°	958.1	954.0	954.0	956.0	954.0	952.0	947.9	947.9
27.5°	927.5	923.4	923.4	925.5	923.4	917.3	915.3	913.2
30°	894.9	888.8	888.8	890.8	888.8	882.7	880.6	880.6
32.5°	858.2	854.1	856.2	856.2	854.1	848.0	846.0	846.0
35°	823.5	819.5	821.5	821.5	817.4	813.3	811.3	809.3
37.5°	786.8	784.8	786.8	784.8	782.8	776.7	774.6	774.6
40°	748.1	748.1	750.2	746.1	744.0	740.0	735.9	737.9
42.5°	711.4	709.4	711.4	709.4	707.3	703.3	699.2	699.2
45°	672.7	672.7	670.7	670.7	668.6	664.5	660.5	662.5
47.5°	634.0	634.0	634.0	631.9	629.9	625.8	623.8	623.8
50°	595.2	595.2	593.2	593.2	589.1	585.0	585.0	587.1
52.5°	556.5	554.5	554.5	552.4	552.4	548.3	544.3	544.3
55°	513.7	511.7	509.6	509.6	507.6	505.5	501.5	503.5
57.5°	475.0	470.9	472.9	468.8	468.8	464.8	462.7	462.7
60°	434.2	432.2	432.2	430.1	428.1	426.0	424.0	424.0
62.5°	395.5	391.4	391.4	389.3	389.3	387.3	385.3	385.3
65°	354.7	350.6	350.6	348.6	350.6	346.5	346.5	346.5
67.5°	313.9	311.9	311.9	309.8	309.8	307.8	305.8	307.8
70°	275.2	273.2	271.1	269.1	271.1	269.1	269.1	267.0
72.5°	234.4	232.4	232.4	232.4	230.3	228.3	228.3	228.3
75°	195.7	193.7	193.7	191.6	191.6	189.6	187.5	189.6
77.5°	157.0	154.9	152.9	152.9	152.9	150.8	152.9	150.8
80°	118.2	114.2	114.2	114.2	114.2	112.1	114.2	110.1
82.5°	79.5	75.4	75.4	75.4	73.4	73.4	73.4	71.3
85°	40.8	40.8	40.8	38.7	38.7	38.7	38.7	36.7
87.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
92.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
95°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
97.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
100°	26.5	26.5	26.5	26.5	28.5	26.5	26.5	26.5
102.5°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
105°	36.7	36.7	36.7	36.7	38.7	38.7	38.7	38.7
107.5°	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
110°	53.0	51.0	51.0	51.0	48.9	48.9	48.9	48.9



TEST NUMBER: P303059

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	61.2	61.2	61.2	61.2	61.2	61.2	59.1	59.1
115°	67.3	67.3	69.3	69.3	69.3	69.3	69.3	69.3
117.5°	71.3	73.4	73.4	73.4	75.4	75.4	75.4	75.4
120°	77.5	77.5	77.5	77.5	79.5	79.5	79.5	79.5
122.5°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
125°	91.7	89.7	89.7	89.7	89.7	89.7	87.7	87.7
127.5°	101.9	99.9	97.8	97.8	95.8	95.8	93.8	93.8
130°	114.2	112.1	110.1	108.0	106.0	106.0	104.0	104.0
132.5°	130.5	126.4	124.3	122.3	120.3	118.2	116.2	116.2
135°	146.8	142.7	140.7	138.6	134.5	132.5	130.5	130.5
137.5°	163.1	159.0	157.0	154.9	150.8	148.8	146.8	146.8
140°	179.4	175.3	173.3	171.2	167.2	165.1	163.1	163.1
142.5°	193.7	189.6	189.6	187.5	183.5	181.4	179.4	179.4
145°	210.0	205.9	203.8	203.8	199.8	195.7	195.7	193.7
147.5°	224.2	222.2	220.2	218.1	216.1	212.0	212.0	210.0
150°	240.5	236.5	234.4	234.4	230.3	228.3	226.3	226.3
152.5°	254.8	250.7	248.7	248.7	246.7	244.6	242.6	242.6
155°	267.0	263.0	263.0	263.0	260.9	258.9	256.8	256.8
157.5°	279.3	277.2	275.2	275.2	275.2	271.1	271.1	271.1
160°	291.5	289.5	289.5	289.5	287.4	285.4	285.4	285.4
162.5°	303.7	301.7	301.7	301.7	299.7	297.6	297.6	297.6
165°	313.9	311.9	311.9	311.9	311.9	309.8	309.8	309.8
167.5°	324.1	322.1	322.1	322.1	322.1	320.0	320.0	320.0
170°	332.3	332.3	330.2	330.2	330.2	330.2	328.2	330.2
172.5°	340.4	340.4	338.4	338.4	340.4	338.4	336.3	338.4
175°	348.6	348.6	346.5	346.5	346.5	344.5	342.5	344.5
177.5°	356.7	354.7	354.7	354.7	354.7	352.7	348.6	348.6
180°	360.8	360.8	360.8	360.8	360.8	360.8	360.8	360.8

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