

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: P303081

Luminaire Tested: **CTW-F-2575-40L840-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-2575-40L840-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

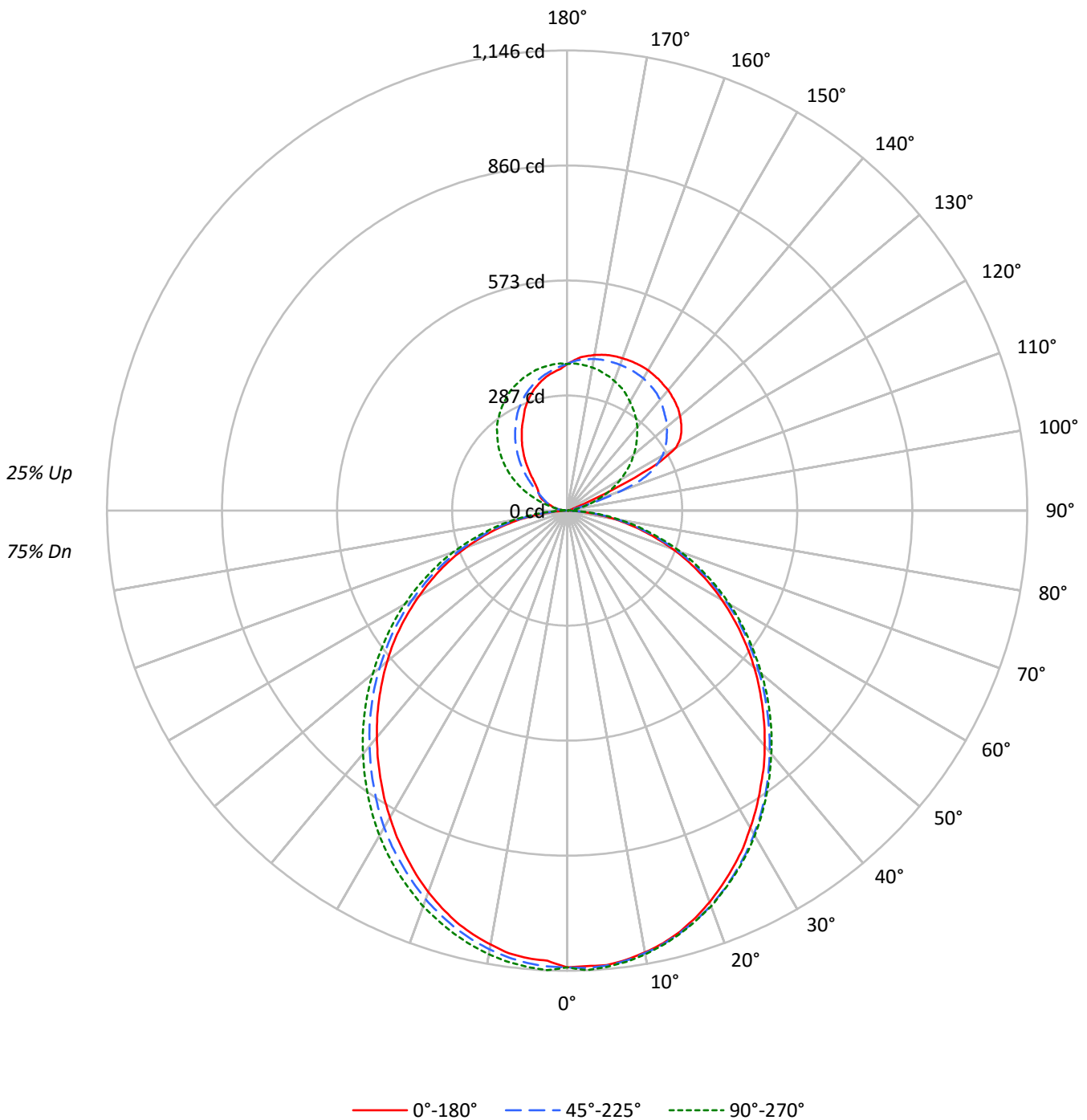
Lumens per Lamp: N/A
Luminaire Lumens: 4069.8 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 34.8
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	59	55	51	54	50	47	44
4	78	67	58	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	29	36	31	28	25
8	57	44	36	30	54	42	35	30	39	33	28	36	30	26	33	28	25	23
9	53	40	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	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	24488	24488	24488
5°	24558	24646	24184
10°	24420	24531	23996
15°	24193	24306	23669
20°	23771	24027	23164
25°	23266	23654	22563
30°	22676	23232	21942
35°	22070	22741	21321
40°	21510	22226	20709
45°	20916	21722	20139
50°	20379	21163	19592
55°	19776	20620	19014
60°	19177	20141	18342
65°	18481	19576	17706
70°	17643	18990	16806
75°	16361	17891	15513
80°	14406	16674	13650
85°	9831	14351	8299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	2.6
10°-20°	304.1	7.5
20°-30°	450.5	11.1
30°-40°	528.5	13.0
40°-50°	535.6	13.2
50°-60°	477.4	11.7
60°-70°	365.7	9.0
70°-80°	214.5	5.3
80°-90°	56.4	1.4
90°-100°	10.5	0.3
100°-110°	45.5	1.1
110°-120°	126.5	3.1
120°-130°	180.7	4.4
130°-140°	194.3	4.8
140°-150°	185.0	4.5
150°-160°	152.4	3.7
160°-170°	100.0	2.5
170°-180°	34.7	0.9
0°-30°	862.0	21.2
0°-40°	1390.5	34.2
0°-60°	2403.6	59.1
0°-90°	3040.2	74.7
90°-120°	182.5	4.5
90°-150°	742.5	18.2
90°-180°	1030.0	25.3
0°-180°	4069.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1138	1138	1138	1138	1138	
5°	1136	1138	1140	1131	1119	108
15°	1086	1088	1091	1076	1062	306
25°	980	993	996	973	950	451
35°	840	861	865	840	811	526
45°	687	704	714	689	662	531
55°	527	542	549	530	507	471
65°	363	375	384	364	348	359
75°	197	207	215	199	186	208
85°	40	49	58	42	34	49
90°	1	1	1	2	3	2
95°	3	3	8	13	11	3
105°	12	33	49	36	39	14
115°	142	232	118	63	70	152
125°	348	302	186	102	89	309
135°	381	342	245	163	129	294
145°	398	372	294	226	195	250
155°	405	384	331	282	257	187
165°	401	386	354	325	314	113
175°	383	377	366	355	348	37
180°	365	365	365	365	365	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5
2.5°	1135.4	1134.4	1135.4	1134.4	1137.5	1137.5	1137.5	1136.4	1138.5	1142.6	1140.5
5°	1136.4	1135.4	1134.4	1131.3	1133.4	1133.4	1133.4	1132.4	1134.4	1139.5	1137.5
7.5°	1128.3	1128.3	1127.3	1125.2	1127.3	1127.3	1126.3	1125.2	1127.3	1131.3	1130.3
10°	1117.1	1116.1	1115.0	1113.0	1116.1	1116.1	1116.1	1115.0	1117.1	1122.2	1119.1
12.5°	1103.8	1101.8	1100.8	1098.7	1101.8	1101.8	1101.8	1100.8	1102.8	1107.9	1105.9
15°	1085.5	1084.5	1084.5	1083.4	1086.5	1086.5	1086.5	1084.5	1086.5	1090.6	1088.5
17.5°	1063.1	1062.0	1064.1	1063.1	1065.1	1065.1	1065.1	1063.1	1064.1	1070.2	1069.2
20°	1037.6	1036.6	1036.6	1035.5	1038.6	1038.6	1039.6	1037.6	1040.6	1046.8	1046.8
22.5°	1009.0	1009.0	1010.1	1009.0	1011.1	1012.1	1011.1	1010.1	1013.1	1019.2	1021.3
25°	979.5	978.5	978.5	980.5	981.5	982.5	982.5	981.5	983.6	989.7	992.7
27.5°	947.9	945.8	947.9	947.9	949.9	950.9	952.0	952.0	954.0	958.1	963.2
30°	912.2	912.2	913.2	914.3	914.3	917.3	918.3	918.3	920.4	925.5	930.6
32.5°	877.6	876.5	878.6	879.6	880.6	882.7	882.7	883.7	884.7	889.8	896.9
35°	839.8	840.9	840.9	842.9	844.9	846.0	847.0	846.0	849.0	852.1	861.3
37.5°	804.2	803.2	803.2	804.2	807.2	808.3	809.3	809.3	811.3	815.4	823.5
40°	765.4	764.4	766.5	767.5	768.5	770.5	770.5	772.6	775.6	778.7	784.8
42.5°	726.7	725.7	727.7	728.8	730.8	731.8	731.8	733.8	736.9	741.0	745.1
45°	687.0	685.9	688.0	689.0	691.0	692.1	692.1	695.1	698.2	700.2	704.3
47.5°	648.2	647.2	648.2	650.3	652.3	653.3	653.3	655.4	657.4	661.5	664.5
50°	608.5	606.4	608.5	609.5	611.5	610.5	612.6	614.6	618.7	622.8	622.8
52.5°	567.7	565.7	567.7	568.7	570.8	571.8	571.8	572.8	577.9	581.0	583.0
55°	526.9	525.9	526.9	528.0	530.0	532.0	531.0	534.1	536.1	540.2	542.2
57.5°	486.2	485.2	486.2	487.2	489.2	490.3	490.3	493.3	494.3	497.4	502.5
60°	445.4	443.4	445.4	446.4	448.5	448.5	449.5	450.5	453.6	457.6	459.7
62.5°	404.6	404.6	404.6	404.6	406.7	406.7	409.7	410.8	410.8	414.8	417.9
65°	362.8	362.8	362.8	362.8	364.9	366.9	365.9	369.0	370.0	373.0	375.1
67.5°	322.1	321.1	322.1	322.1	324.1	325.1	325.1	327.2	328.2	329.2	334.3
70°	280.3	281.3	280.3	280.3	280.3	282.3	284.4	285.4	286.4	287.4	290.5
72.5°	237.5	236.5	237.5	237.5	237.5	239.5	240.5	242.6	242.6	244.6	246.7
75°	196.7	196.7	197.7	196.7	196.7	199.8	199.8	201.8	201.8	203.8	206.9
77.5°	155.9	158.0	157.0	157.0	157.0	159.0	159.0	161.0	162.1	163.1	166.1
80°	116.2	118.2	117.2	117.2	117.2	118.2	119.3	121.3	121.3	123.3	125.4
82.5°	77.5	77.5	78.5	78.5	78.5	79.5	81.5	82.6	82.6	84.6	86.6
85°	39.8	42.8	41.8	41.8	41.8	42.8	43.8	44.8	45.9	46.9	48.9
87.5°	8.2	9.2	9.2	8.2	10.2	9.2	10.2	11.2	11.2	12.2	14.3
90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
97.5°	4.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.1
100°	6.1	6.1	6.1	6.1	6.1	7.1	7.1	7.1	7.1	8.2	9.2
102.5°	8.2	8.2	9.2	9.2	9.2	9.2	9.2	10.2	11.2	12.2	16.3
105°	12.2	11.2	12.2	12.2	12.2	13.3	13.3	15.3	17.3	22.4	32.6
107.5°	16.3	16.3	16.3	17.3	18.3	20.4	21.4	25.5	34.7	48.9	75.4
110°	25.5	24.5	26.5	28.5	34.7	37.7	42.8	58.1	82.6	112.1	143.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	54.0	53.0	60.1	67.3	80.5	92.8	109.1	139.6	171.2	190.6	198.8
115°	141.7	138.6	147.8	166.1	189.6	201.8	213.0	228.3	237.5	237.5	232.4
117.5°	255.8	251.8	261.9	267.0	272.1	276.2	276.2	276.2	272.1	265.0	254.8
120°	312.9	309.8	310.9	308.8	306.8	304.8	302.7	298.6	291.5	283.3	274.2
122.5°	334.3	333.3	331.3	328.2	325.1	322.1	320.0	314.9	307.8	298.6	289.5
125°	347.6	346.5	344.5	341.4	337.4	335.3	333.3	327.2	320.0	311.9	301.7
127.5°	357.8	357.8	354.7	352.7	348.6	346.5	343.5	338.4	331.3	322.1	312.9
130°	366.9	366.9	363.9	362.8	357.8	356.7	353.7	347.6	340.4	332.3	324.1
132.5°	375.1	374.1	373.0	371.0	366.9	364.9	362.8	357.8	349.6	341.4	334.3
135°	381.2	380.2	379.2	377.1	373.0	372.0	370.0	364.9	356.7	349.6	342.5
137.5°	386.3	386.3	384.3	383.2	379.2	378.1	376.1	371.0	363.9	357.8	351.6
140°	391.4	391.4	389.3	388.3	384.3	383.2	382.2	377.1	370.0	364.9	359.8
142.5°	394.4	395.5	393.4	392.4	388.3	387.3	386.3	381.2	376.1	371.0	366.9
145°	398.5	398.5	396.5	395.5	393.4	392.4	390.4	386.3	381.2	376.1	372.0
147.5°	400.6	401.6	399.5	398.5	396.5	395.5	393.4	389.3	384.3	380.2	376.1
150°	403.6	403.6	401.6	400.6	398.5	397.5	396.5	392.4	387.3	384.3	380.2
152.5°	404.6	404.6	402.6	401.6	399.5	398.5	397.5	393.4	389.3	386.3	382.2
155°	404.6	404.6	403.6	401.6	400.6	399.5	397.5	394.4	390.4	388.3	384.3
157.5°	404.6	403.6	403.6	401.6	400.6	398.5	397.5	393.4	391.4	389.3	385.3
160°	403.6	403.6	402.6	400.6	400.6	398.5	397.5	394.4	391.4	390.4	386.3
162.5°	402.6	401.6	401.6	399.5	399.5	398.5	396.5	394.4	391.4	390.4	386.3
165°	400.6	399.5	399.5	397.5	397.5	396.5	395.5	391.4	390.4	389.3	386.3
167.5°	397.5	396.5	395.5	393.4	393.4	392.4	391.4	388.3	387.3	387.3	385.3
170°	393.4	391.4	390.4	389.3	389.3	388.3	387.3	385.3	385.3	385.3	383.2
172.5°	388.3	386.3	386.3	385.3	384.3	384.3	383.2	381.2	381.2	381.2	380.2
175°	383.2	381.2	380.2	379.2	380.2	379.2	378.1	377.1	377.1	378.1	377.1
177.5°	374.1	372.0	373.0	373.0	373.0	373.0	372.0	372.0	372.0	372.0	372.0
180°	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5
2.5°	1133.4	1130.3	1130.3	1134.4	1135.4	1137.5	1139.5	1143.6	1145.6	1145.6	1144.6
5°	1130.3	1127.3	1126.3	1130.3	1131.3	1133.4	1135.4	1139.5	1140.5	1140.5	1139.5
7.5°	1123.2	1120.1	1119.1	1123.2	1124.2	1126.3	1127.3	1131.3	1133.4	1133.4	1131.3
10°	1112.0	1108.9	1108.9	1113.0	1114.0	1115.0	1117.1	1120.1	1122.2	1122.2	1121.2
12.5°	1098.7	1095.7	1094.7	1098.7	1099.8	1100.8	1102.8	1106.9	1107.9	1107.9	1105.9
15°	1082.4	1078.3	1078.3	1082.4	1083.4	1084.5	1086.5	1089.6	1090.6	1090.6	1088.5
17.5°	1062.0	1060.0	1058.0	1062.0	1063.1	1064.1	1065.1	1069.2	1071.2	1070.2	1068.2
20°	1039.6	1036.6	1034.5	1039.6	1040.6	1041.7	1042.7	1046.8	1048.8	1048.8	1045.7
22.5°	1015.2	1012.1	1010.1	1014.1	1016.2	1016.2	1018.2	1021.3	1023.3	1022.3	1020.3
25°	987.6	983.6	983.6	986.6	988.7	988.7	990.7	993.8	995.8	995.8	992.7
27.5°	958.1	955.0	953.0	955.0	958.1	959.1	961.1	964.2	966.2	966.2	963.2
30°	927.5	924.4	920.4	923.4	926.5	927.5	929.5	933.6	934.6	934.6	929.5
32.5°	894.9	889.8	888.8	890.8	892.8	894.9	896.9	900.0	900.0	901.0	897.9
35°	858.2	856.2	854.1	856.2	858.2	859.2	862.3	865.3	865.3	865.3	862.3
37.5°	822.5	822.5	818.4	819.5	821.5	822.5	826.6	828.6	829.7	828.6	827.6
40°	787.9	784.8	782.8	782.8	783.8	786.8	788.9	790.9	791.9	790.9	788.9
42.5°	750.2	748.1	745.1	745.1	746.1	749.1	753.2	754.2	753.2	753.2	749.1
45°	709.4	709.4	707.3	707.3	707.3	710.4	714.5	715.5	714.5	713.5	711.4
47.5°	668.6	669.6	669.6	668.6	668.6	668.6	672.7	673.7	674.7	673.7	671.7
50°	627.8	628.9	628.9	628.9	627.8	630.9	631.9	634.0	632.9	631.9	630.9
52.5°	585.0	588.1	588.1	589.1	589.1	589.1	593.2	594.2	591.2	590.1	589.1
55°	543.3	547.3	547.3	548.3	548.3	548.3	551.4	553.4	550.4	549.4	548.3
57.5°	502.5	505.5	505.5	507.6	509.6	507.6	509.6	511.7	508.6	509.6	507.6
60°	460.7	462.7	463.8	465.8	466.8	466.8	468.8	470.9	466.8	467.8	466.8
62.5°	420.9	420.9	422.0	424.0	425.0	424.0	426.0	429.1	425.0	426.0	425.0
65°	376.1	379.2	379.2	381.2	382.2	382.2	384.3	386.3	383.2	384.3	381.2
67.5°	334.3	336.3	337.4	340.4	342.5	341.4	342.5	344.5	342.5	343.5	340.4
70°	292.5	294.6	294.6	295.6	298.6	299.7	300.7	301.7	300.7	301.7	299.7
72.5°	248.7	249.7	250.7	251.8	254.8	254.8	255.8	256.8	259.9	257.9	257.9
75°	206.9	208.9	208.9	212.0	214.0	214.0	215.1	216.1	218.1	215.1	215.1
77.5°	166.1	168.2	168.2	171.2	172.3	172.3	174.3	175.3	176.3	175.3	175.3
80°	126.4	127.4	128.4	129.4	131.5	132.5	133.5	134.5	135.6	134.5	135.6
82.5°	88.7	88.7	89.7	90.7	92.8	93.8	94.8	95.8	96.8	95.8	96.8
85°	49.9	52.0	52.0	55.0	56.1	56.1	57.1	58.1	59.1	58.1	59.1
87.5°	15.3	17.3	18.3	19.4	21.4	21.4	23.4	24.5	24.5	23.4	24.5
90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
92.5°	2.0	2.0	2.0	3.1	3.1	3.1	4.1	4.1	4.1	3.1	4.1
95°	4.1	4.1	5.1	7.1	9.2	10.2	12.2	12.2	10.2	8.2	8.2
97.5°	7.1	8.2	12.2	17.3	19.4	22.4	24.5	22.4	18.3	15.3	14.3
100°	12.2	16.3	25.5	35.7	38.7	41.8	40.8	35.7	29.6	24.5	21.4
102.5°	22.4	34.7	52.0	62.2	64.2	64.2	59.1	51.0	42.8	35.7	31.6
105°	49.9	71.3	90.7	92.8	91.7	88.7	79.5	69.3	59.1	48.9	43.8
107.5°	102.9	121.3	127.4	121.3	118.2	112.1	100.9	88.7	75.4	65.2	57.1
110°	160.0	162.1	155.9	145.8	139.6	134.5	120.3	108.0	93.8	81.5	72.4



TEST NUMBER: P303081

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	198.8	191.6	180.4	168.2	162.1	154.9	141.7	127.4	112.1	98.9	88.7
115°	224.2	213.0	200.8	187.5	181.4	175.3	161.0	145.8	130.5	118.2	106.0
117.5°	243.6	231.4	219.1	205.9	199.8	193.7	178.4	164.1	147.8	135.6	123.3
120°	259.9	248.7	235.4	223.2	217.1	211.0	195.7	181.4	166.1	152.9	139.6
122.5°	278.3	267.0	250.7	239.5	233.4	226.3	212.0	197.7	182.4	169.2	155.9
125°	291.5	280.3	268.1	253.8	247.7	240.5	226.3	213.0	198.8	185.5	173.3
127.5°	304.8	293.5	282.3	269.1	261.9	253.8	240.5	227.3	214.0	201.8	188.6
130°	316.0	305.8	294.6	282.3	275.2	269.1	253.8	240.5	228.3	216.1	204.9
132.5°	327.2	317.0	304.8	293.5	286.4	281.3	269.1	254.8	242.6	231.4	219.1
135°	335.3	326.2	313.9	301.7	296.6	291.5	280.3	269.1	255.8	244.6	233.4
137.5°	344.5	334.3	322.1	310.9	305.8	301.7	291.5	280.3	270.1	257.9	246.7
140°	351.6	341.4	330.2	319.0	314.9	310.9	301.7	291.5	282.3	272.1	259.9
142.5°	357.8	347.6	336.3	326.2	323.1	319.0	309.8	301.7	292.5	283.3	273.2
145°	363.9	352.7	342.5	334.3	330.2	326.2	319.0	310.9	302.7	293.5	284.4
147.5°	369.0	357.8	348.6	340.4	337.4	334.3	326.2	319.0	311.9	303.7	294.6
150°	373.0	362.8	354.7	347.6	344.5	341.4	333.3	327.2	321.1	312.9	304.8
152.5°	375.1	365.9	358.8	352.7	350.6	347.6	341.4	335.3	329.2	322.1	314.9
155°	377.1	369.0	362.8	357.8	355.7	353.7	347.6	342.5	337.4	331.3	323.1
157.5°	378.1	372.0	365.9	361.8	359.8	357.8	352.7	348.6	343.5	337.4	331.3
160°	380.2	374.1	367.9	364.9	363.9	361.8	356.7	353.7	349.6	343.5	338.4
162.5°	380.2	375.1	370.0	367.9	366.9	365.9	360.8	357.8	354.7	349.6	344.5
165°	381.2	376.1	372.0	370.0	369.0	367.9	364.9	361.8	358.8	353.7	350.6
167.5°	380.2	376.1	373.0	371.0	370.0	369.0	366.9	364.9	361.8	358.8	354.7
170°	378.1	375.1	373.0	372.0	371.0	370.0	367.9	366.9	363.9	361.8	358.8
172.5°	376.1	373.0	371.0	371.0	370.0	370.0	369.0	367.9	365.9	363.9	361.8
175°	373.0	371.0	369.0	369.0	369.0	369.0	367.9	367.9	366.9	365.9	363.9
177.5°	369.0	366.9	365.9	365.9	366.9	366.9	366.9	366.9	366.9	366.9	365.9
180°	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9



TEST NUMBER: P303081

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5
2.5°	1137.5	1130.3	1130.3	1131.3	1133.4	1135.4	1135.4	1131.3	1136.4	1140.5	1136.4
5°	1132.4	1125.2	1126.3	1126.3	1128.3	1130.3	1130.3	1126.3	1131.3	1134.4	1129.3
7.5°	1124.2	1117.1	1117.1	1118.1	1119.1	1121.2	1121.2	1117.1	1122.2	1125.2	1120.1
10°	1113.0	1105.9	1105.9	1105.9	1107.9	1109.9	1108.9	1104.8	1109.9	1112.0	1107.9
12.5°	1097.7	1091.6	1091.6	1091.6	1092.6	1094.7	1093.6	1088.5	1094.7	1095.7	1090.6
15°	1080.4	1075.3	1074.3	1074.3	1075.3	1077.3	1075.3	1070.2	1076.3	1077.3	1073.3
17.5°	1061.0	1054.9	1053.9	1053.9	1054.9	1056.9	1053.9	1048.8	1053.9	1053.9	1049.8
20°	1038.6	1031.5	1030.4	1030.4	1031.5	1032.5	1028.4	1025.3	1030.4	1029.4	1025.3
22.5°	1013.1	1006.0	1005.0	1005.0	1006.0	1007.0	1001.9	999.9	1002.9	1001.9	996.8
25°	984.6	979.5	978.5	977.4	979.5	977.4	974.4	971.3	973.4	971.3	966.2
27.5°	955.0	948.9	946.9	947.9	949.9	948.9	941.8	940.8	943.8	939.7	934.6
30°	922.4	917.3	915.3	916.3	916.3	916.3	909.2	910.2	911.2	908.1	901.0
32.5°	888.8	884.7	883.7	883.7	884.7	882.7	875.5	876.5	876.5	871.4	866.3
35°	854.1	850.0	848.0	849.0	850.0	846.0	839.8	841.9	839.8	835.8	830.7
37.5°	818.4	813.3	813.3	813.3	814.4	809.3	803.2	806.2	803.2	798.1	794.0
40°	779.7	775.6	776.7	776.7	777.7	773.6	768.5	768.5	765.4	760.3	755.3
42.5°	744.0	738.9	741.0	741.0	741.0	734.9	731.8	730.8	728.8	723.7	719.6
45°	704.3	700.2	703.3	702.3	703.3	696.1	694.1	692.1	689.0	684.9	679.8
47.5°	663.5	661.5	664.5	664.5	664.5	657.4	655.4	652.3	650.3	646.2	639.1
50°	622.8	622.8	624.8	625.8	623.8	617.7	615.6	611.5	609.5	605.4	599.3
52.5°	584.0	582.0	585.0	585.0	583.0	577.9	574.8	571.8	568.7	564.7	560.6
55°	544.3	542.2	545.3	543.3	542.2	538.2	534.1	531.0	530.0	523.9	519.8
57.5°	503.5	502.5	504.5	503.5	500.4	497.4	493.3	491.3	488.2	483.1	480.1
60°	462.7	462.7	462.7	461.7	459.7	455.6	452.5	450.5	446.4	442.3	440.3
62.5°	422.0	422.0	420.9	419.9	417.9	414.8	410.8	410.8	404.6	400.6	399.5
65°	381.2	380.2	379.2	376.1	376.1	374.1	370.0	366.9	363.9	359.8	358.8
67.5°	340.4	338.4	335.3	335.3	333.3	332.3	328.2	325.1	323.1	320.0	318.0
70°	299.7	296.6	293.5	294.6	291.5	290.5	286.4	285.4	280.3	277.2	277.2
72.5°	255.8	252.8	249.7	250.7	248.7	246.7	243.6	240.5	237.5	236.5	234.4
75°	215.1	211.0	208.9	208.9	206.9	204.9	202.8	199.8	198.8	196.7	194.7
77.5°	173.3	170.2	169.2	169.2	166.1	165.1	163.1	162.1	159.0	159.0	154.9
80°	133.5	130.5	129.4	128.4	128.4	125.4	124.3	121.3	120.3	118.2	115.2
82.5°	93.8	91.7	90.7	90.7	90.7	86.6	85.6	82.6	81.5	78.5	75.4
85°	57.1	55.0	53.0	54.0	53.0	48.9	47.9	43.8	41.8	40.8	38.7
87.5°	23.4	20.4	18.3	17.3	17.3	15.3	14.3	13.3	10.2	9.2	8.2
90°	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1
92.5°	5.1	6.1	6.1	6.1	7.1	7.1	6.1	6.1	6.1	6.1	5.1
95°	9.2	10.2	12.2	12.2	13.3	14.3	14.3	13.3	13.3	13.3	12.2
97.5°	13.3	15.3	15.3	16.3	17.3	18.3	19.4	20.4	20.4	20.4	20.4
100°	20.4	19.4	21.4	22.4	22.4	22.4	23.4	24.5	25.5	26.5	26.5
102.5°	29.6	26.5	26.5	26.5	28.5	30.6	28.5	28.5	29.6	30.6	31.6
105°	38.7	35.7	33.6	33.6	33.6	35.7	37.7	36.7	35.7	36.7	36.7
107.5°	51.0	45.9	41.8	41.8	41.8	40.8	42.8	43.8	45.9	44.8	42.8
110°	64.2	58.1	53.0	49.9	49.9	48.9	48.9	49.9	52.0	53.0	54.0



TEST NUMBER: P303081

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	79.5	71.3	64.2	63.2	60.1	57.1	56.1	56.1	57.1	59.1	61.2
115°	95.8	86.6	77.5	75.4	72.4	66.3	64.2	63.2	63.2	64.2	66.3
117.5°	112.1	101.9	92.8	88.7	85.6	79.5	74.4	71.3	70.3	70.3	71.3
120°	128.4	119.3	109.1	104.0	99.9	92.8	85.6	80.5	78.5	77.5	77.5
122.5°	144.7	135.6	124.3	120.3	116.2	107.0	99.9	92.8	88.7	85.6	84.6
125°	161.0	151.9	141.7	136.6	131.5	122.3	115.2	108.0	101.9	96.8	93.8
127.5°	177.3	167.2	158.0	153.9	148.8	138.6	129.4	122.3	116.2	110.1	105.0
130°	191.6	183.5	174.3	170.2	165.1	153.9	145.8	138.6	131.5	124.3	119.3
132.5°	207.9	197.7	189.6	185.5	180.4	170.2	162.1	153.9	147.8	140.7	134.5
135°	221.2	213.0	203.8	199.8	195.7	186.5	178.4	170.2	163.1	157.0	151.9
137.5°	235.4	226.3	218.1	215.1	210.0	200.8	194.7	186.5	179.4	172.3	167.2
140°	248.7	239.5	231.4	228.3	224.2	216.1	207.9	201.8	194.7	188.6	183.5
142.5°	261.9	250.7	244.6	241.6	237.5	229.3	222.2	217.1	211.0	204.9	199.8
145°	274.2	266.0	255.8	253.8	250.7	242.6	236.5	231.4	226.3	220.2	215.1
147.5°	284.4	277.2	270.1	268.1	265.0	256.8	249.7	245.6	240.5	235.4	230.3
150°	295.6	288.4	282.3	280.3	277.2	272.1	265.0	257.9	254.8	248.7	244.6
152.5°	305.8	298.6	292.5	291.5	288.4	283.3	277.2	272.1	270.1	265.0	257.9
155°	314.9	307.8	302.7	301.7	299.7	294.6	289.5	284.4	282.3	277.2	273.2
157.5°	323.1	316.0	311.9	310.9	308.8	304.8	299.7	294.6	293.5	289.5	286.4
160°	331.3	324.1	321.1	320.0	318.0	314.9	310.9	305.8	305.8	301.7	298.6
162.5°	337.4	332.3	329.2	327.2	326.2	324.1	320.0	316.0	316.0	312.9	309.8
165°	344.5	338.4	336.3	335.3	334.3	332.3	329.2	325.1	325.1	323.1	320.0
167.5°	349.6	344.5	342.5	341.4	340.4	339.4	337.4	333.3	333.3	332.3	329.2
170°	353.7	349.6	347.6	346.5	346.5	345.5	344.5	341.4	341.4	340.4	337.4
172.5°	357.8	353.7	352.7	352.7	351.6	351.6	350.6	347.6	347.6	348.6	345.5
175°	360.8	356.7	356.7	355.7	356.7	356.7	355.7	353.7	354.7	355.7	353.7
177.5°	361.8	359.8	359.8	359.8	359.8	360.8	360.8	357.8	359.8	361.8	358.8
180°	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9



TEST NUMBER: P303081

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5	1137.5
2.5°	1136.4	1134.4	1133.4	1133.4	1134.4	1128.3	1123.2	1122.2
5°	1129.3	1127.3	1126.3	1126.3	1128.3	1124.2	1120.1	1119.1
7.5°	1119.1	1118.1	1116.1	1117.1	1120.1	1116.1	1112.0	1112.0
10°	1105.9	1104.8	1102.8	1103.8	1105.9	1101.8	1097.7	1097.7
12.5°	1089.6	1086.5	1085.5	1086.5	1088.5	1084.5	1080.4	1081.4
15°	1070.2	1068.2	1067.1	1068.2	1070.2	1066.1	1061.0	1062.0
17.5°	1048.8	1045.7	1045.7	1046.8	1047.8	1042.7	1037.6	1037.6
20°	1022.3	1019.2	1019.2	1020.3	1020.3	1014.1	1011.1	1011.1
22.5°	992.7	989.7	988.7	990.7	990.7	985.6	982.5	981.5
25°	963.2	958.1	958.1	960.1	959.1	955.0	950.9	949.9
27.5°	932.6	926.5	928.5	928.5	927.5	921.4	918.3	917.3
30°	899.0	893.9	892.8	894.9	891.8	886.7	884.7	882.7
32.5°	864.3	859.2	860.2	859.2	857.2	852.1	848.0	848.0
35°	828.6	822.5	824.6	823.5	819.5	816.4	813.3	811.3
37.5°	790.9	785.8	787.9	785.8	782.8	779.7	775.6	774.6
40°	752.2	750.2	750.2	748.1	745.1	741.0	740.0	736.9
42.5°	713.5	712.4	712.4	709.4	706.3	703.3	701.2	700.2
45°	675.8	672.7	674.7	671.7	667.6	664.5	662.5	661.5
47.5°	637.0	634.0	634.0	631.9	627.8	625.8	623.8	623.8
50°	598.3	594.2	593.2	592.2	589.1	587.1	584.0	585.0
52.5°	558.5	556.5	555.5	552.4	549.4	547.3	546.3	547.3
55°	518.8	516.8	514.7	512.7	509.6	507.6	505.5	506.6
57.5°	479.0	475.0	475.0	471.9	469.9	467.8	465.8	465.8
60°	438.3	436.2	434.2	432.2	430.1	428.1	428.1	426.0
62.5°	397.5	395.5	393.4	390.4	389.3	387.3	388.3	386.3
65°	356.7	353.7	353.7	350.6	349.6	347.6	348.6	347.6
67.5°	316.0	313.9	312.9	310.9	308.8	307.8	307.8	307.8
70°	275.2	273.2	272.1	272.1	269.1	266.0	268.1	267.0
72.5°	232.4	231.4	229.3	228.3	226.3	225.3	226.3	225.3
75°	192.6	191.6	190.6	189.6	186.5	186.5	187.5	186.5
77.5°	152.9	151.9	150.8	151.9	147.8	147.8	147.8	146.8
80°	114.2	113.1	111.1	112.1	110.1	108.0	108.0	110.1
82.5°	73.4	73.4	71.3	71.3	71.3	68.3	69.3	70.3
85°	37.7	37.7	36.7	37.7	34.7	34.7	34.7	33.6
87.5°	8.2	8.2	7.1	8.2	7.1	7.1	7.1	8.2
90°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
92.5°	5.1	5.1	5.1	6.1	5.1	5.1	5.1	5.1
95°	12.2	13.3	13.3	13.3	12.2	12.2	12.2	11.2
97.5°	20.4	20.4	20.4	20.4	19.4	19.4	19.4	18.3
100°	26.5	27.5	27.5	27.5	27.5	27.5	27.5	26.5
102.5°	32.6	32.6	32.6	33.6	33.6	33.6	33.6	32.6
105°	36.7	37.7	37.7	38.7	39.8	39.8	39.8	38.7
107.5°	43.8	43.8	43.8	43.8	43.8	44.8	43.8	43.8
110°	53.0	52.0	52.0	52.0	51.0	51.0	51.0	51.0



TEST NUMBER: P303081

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	62.2	62.2	62.2	62.2	62.2	61.2	61.2	61.2
115°	67.3	69.3	69.3	69.3	69.3	69.3	70.3	70.3
117.5°	72.4	73.4	74.4	74.4	75.4	75.4	76.4	76.4
120°	77.5	78.5	78.5	79.5	79.5	79.5	80.5	80.5
122.5°	83.6	83.6	83.6	83.6	84.6	83.6	84.6	84.6
125°	91.7	90.7	90.7	89.7	89.7	88.7	88.7	88.7
127.5°	101.9	99.9	98.9	97.8	96.8	95.8	94.8	94.8
130°	115.2	111.1	110.1	109.1	106.0	105.0	104.0	104.0
132.5°	129.4	126.4	124.3	122.3	119.3	117.2	116.2	115.2
135°	146.8	142.7	139.6	137.6	134.5	131.5	129.4	129.4
137.5°	162.1	158.0	155.9	153.9	150.8	147.8	146.8	145.8
140°	178.4	174.3	172.3	170.2	167.2	164.1	162.1	162.1
142.5°	193.7	189.6	188.6	186.5	183.5	180.4	179.4	178.4
145°	210.0	205.9	203.8	202.8	199.8	196.7	194.7	194.7
147.5°	225.3	221.2	220.2	218.1	216.1	212.0	211.0	210.0
150°	240.5	236.5	235.4	234.4	232.4	228.3	226.3	226.3
152.5°	254.8	250.7	249.7	249.7	247.7	244.6	242.6	241.6
155°	270.1	267.0	266.0	266.0	264.0	259.9	256.8	256.8
157.5°	283.3	280.3	279.3	279.3	277.2	275.2	274.2	274.2
160°	296.6	293.5	292.5	292.5	291.5	289.5	288.4	288.4
162.5°	307.8	305.8	304.8	304.8	304.8	302.7	300.7	301.7
165°	319.0	316.0	316.0	314.9	316.0	313.9	312.9	313.9
167.5°	327.2	326.2	325.1	325.1	325.1	324.1	324.1	324.1
170°	336.3	335.3	335.3	334.3	334.3	334.3	332.3	333.3
172.5°	344.5	343.5	343.5	343.5	343.5	342.5	340.4	341.4
175°	352.7	351.6	351.6	351.6	351.6	350.6	347.6	347.6
177.5°	359.8	359.8	358.8	358.8	358.8	356.7	352.7	353.7
180°	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9

(END OF REPORT)