

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: P303216

Luminaire Tested: **CTW-F-7525-40L830-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-40L830-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

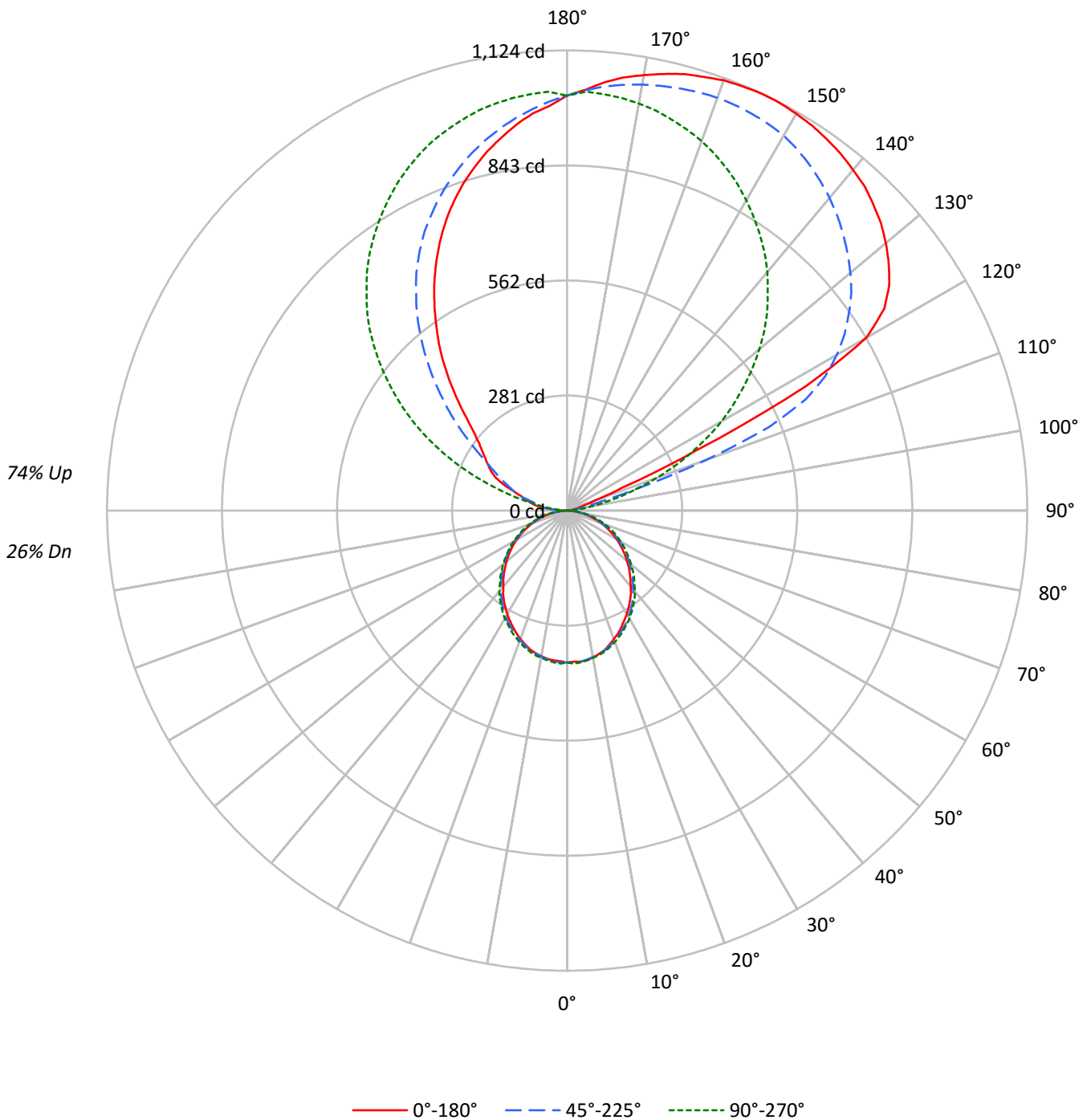
Lumens per Lamp: N/A
Luminaire Lumens: 3849.3 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 30
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	21
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	55	68	60	54	50	47	43	39	35	32	30	23	21	20	15
4	70	59	52	46	62	53	47	42	42	37	33	31	28	25	21	19	17	13
5	64	53	45	39	57	47	41	36	37	32	29	27	24	22	18	17	15	11
6	59	47	39	34	52	42	36	31	33	28	25	25	21	19	17	15	13	10
7	54	42	35	29	48	38	32	27	30	25	22	22	19	17	15	13	12	9
8	50	38	31	26	45	35	28	24	27	22	19	20	17	15	14	12	10	8
9	47	35	28	23	41	31	25	21	25	20	17	19	15	13	13	11	9	7
10	43	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	7991	7991	7991
5°	8000	8041	7937
10°	7966	7988	7902
15°	7865	7930	7823
20°	7645	7819	7645
25°	7447	7696	7447
30°	7241	7577	7266
35°	7025	7403	7075
40°	6781	7242	6809
45°	6585	7027	6646
50°	6377	6826	6474
55°	6208	6640	6317
60°	6002	6501	6127
65°	5731	6367	5924
70°	5445	6175	5690
75°	5041	5922	5357
80°	4413	5480	4773
85°	2841	4989	3335



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	0.9
10°-20°	99.1	2.6
20°-30°	146.4	3.8
30°-40°	171.7	4.5
40°-50°	172.9	4.5
50°-60°	154.1	4.0
60°-70°	118.1	3.1
70°-80°	70.3	1.8
80°-90°	19.4	0.5
90°-100°	28.4	0.7
100°-110°	121.0	3.1
110°-120°	345.3	9.0
120°-130°	504.9	13.1
130°-140°	544.8	14.2
140°-150°	518.4	13.5
150°-160°	425.4	11.1
160°-170°	277.8	7.2
170°-180°	96.2	2.5
0°-30°	280.5	7.3
0°-40°	452.2	11.7
0°-60°	779.3	20.2
0°-90°	987.1	25.6
90°-120°	494.6	12.9
90°-150°	2062.7	53.6
90°-180°	2862.0	74.4
0°-180°	3849.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	371	371	371	371	371	
5°	370	370	372	369	367	35
15°	353	354	356	352	351	99
25°	314	320	324	319	314	144
35°	267	277	282	277	269	167
45°	216	225	231	226	218	167
55°	165	172	177	175	168	148
65°	112	118	125	120	116	112
75°	61	64	71	67	64	64
85°	12	14	20	16	14	14
90°	1	1	1	5	9	1
95°	7	9	20	40	38	8
105°	32	86	136	95	106	39
115°	350	643	335	174	194	395
125°	961	840	526	288	253	851
135°	1058	954	691	465	375	817
145°	1107	1032	821	643	559	694
155°	1124	1069	922	791	732	519
165°	1104	1067	988	903	870	313
175°	1050	1039	1021	984	973	101
180°	1014	1014	1014	1014	1014	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2
2.5°	369.2	368.3	370.2	371.2	371.2	372.1	372.1	372.1	372.1	373.1	371.2
5°	370.2	370.2	370.2	370.2	369.2	370.2	370.2	371.2	371.2	372.1	370.2
7.5°	369.2	368.3	368.3	368.3	367.3	367.3	368.3	368.3	367.3	369.2	367.3
10°	364.4	364.4	363.5	363.5	363.5	363.5	363.5	364.4	364.4	365.4	363.5
12.5°	358.7	358.7	358.7	358.7	357.7	357.7	358.7	359.6	359.6	360.6	359.6
15°	352.9	351.9	352.9	353.8	352.9	352.9	352.9	353.8	353.8	354.8	353.8
17.5°	343.3	343.3	344.2	345.2	345.2	344.2	345.2	346.2	346.2	347.1	346.2
20°	333.7	333.7	334.6	335.6	335.6	335.6	336.5	336.5	337.5	337.5	338.5
22.5°	325.0	324.0	325.0	326.0	326.0	325.0	326.9	326.9	327.9	328.8	329.8
25°	313.5	312.5	314.4	315.4	315.4	315.4	316.3	317.3	318.3	319.2	320.2
27.5°	301.9	301.9	302.9	303.8	304.8	304.8	305.8	307.7	307.7	308.7	310.6
30°	291.3	291.3	292.3	293.3	294.2	294.2	294.2	296.2	298.1	298.1	300.0
32.5°	279.8	278.8	279.8	281.7	281.7	281.7	282.7	284.6	285.6	286.5	288.5
35°	267.3	267.3	268.3	269.2	270.2	270.2	271.2	273.1	274.0	275.0	276.9
37.5°	255.8	254.8	255.8	256.7	257.7	257.7	258.7	260.6	261.5	262.5	264.4
40°	241.3	240.4	241.3	242.3	243.3	243.3	244.2	247.1	248.1	249.0	251.0
42.5°	228.8	227.9	228.8	229.8	230.8	231.7	231.7	232.7	234.6	235.6	237.5
45°	216.3	215.4	215.4	217.3	218.3	218.3	219.2	220.2	222.1	223.1	225.0
47.5°	203.8	202.9	203.8	204.8	204.8	205.8	206.7	206.7	208.7	210.6	211.5
50°	190.4	190.4	190.4	191.3	192.3	193.3	193.3	194.2	195.2	197.1	199.0
52.5°	177.9	176.9	177.9	178.8	179.8	179.8	180.8	180.8	181.7	184.6	185.6
55°	165.4	164.4	164.4	165.4	165.4	166.3	167.3	167.3	168.3	170.2	172.1
57.5°	151.9	151.9	151.9	152.9	152.9	152.9	154.8	154.8	155.8	157.7	158.7
60°	139.4	139.4	138.5	139.4	139.4	140.4	141.3	141.3	142.3	143.3	145.2
62.5°	126.0	126.0	125.0	126.0	126.9	126.9	127.9	127.9	128.8	130.8	131.7
65°	112.5	113.5	112.5	112.5	113.5	113.5	114.4	114.4	115.4	116.3	118.3
67.5°	100.0	100.0	99.0	100.0	100.0	101.0	101.0	101.9	101.9	102.9	103.8
70°	86.5	86.5	86.5	86.5	87.5	87.5	88.5	88.5	88.5	89.4	90.4
72.5°	74.0	74.0	73.1	73.1	74.0	75.0	75.0	76.0	76.0	77.9	77.9
75°	60.6	60.6	60.6	60.6	61.5	61.5	61.5	62.5	63.5	63.5	64.4
77.5°	48.1	47.1	48.1	48.1	48.1	48.1	49.0	50.0	50.0	51.0	51.9
80°	35.6	34.6	35.6	35.6	35.6	35.6	36.5	36.5	37.5	38.5	38.5
82.5°	23.1	22.1	23.1	23.1	23.1	23.1	24.0	24.0	25.0	26.0	26.0
85°	11.5	10.6	11.5	11.5	11.5	11.5	11.5	12.5	13.5	13.5	14.4
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	3.8
90°	1.0	1.9	1.9	1.9	1.0	1.9	1.0	1.9	1.0	1.0	1.0
92.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.7	7.7	7.7	8.7
97.5°	11.5	10.6	10.6	11.5	11.5	11.5	11.5	12.5	13.5	14.4	16.3
100°	16.3	16.3	16.3	17.3	17.3	18.3	18.3	19.2	21.2	23.1	26.9
102.5°	24.0	24.0	24.0	25.0	25.0	26.0	26.9	28.8	31.7	36.5	45.2
105°	31.7	32.7	33.7	34.6	36.5	38.5	39.4	43.3	50.0	62.5	86.5
107.5°	47.1	47.1	49.0	51.0	54.8	58.7	61.5	73.1	89.4	124.0	181.7
110°	74.0	73.1	76.0	84.6	95.2	105.8	111.5	151.0	196.2	272.1	359.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	145.2	143.3	152.9	173.1	211.5	244.2	258.7	334.6	416.3	487.5	533.7
115°	350.0	345.2	365.4	405.8	473.1	512.5	525.0	587.5	628.8	641.3	643.3
117.5°	658.7	652.9	666.3	688.5	724.0	737.5	734.6	745.2	740.4	728.8	710.6
120°	844.2	839.4	839.4	838.5	840.4	836.5	831.7	821.2	802.9	784.6	760.6
122.5°	918.3	916.3	911.5	902.9	897.1	892.3	882.7	867.3	849.0	828.8	803.8
125°	960.6	957.7	952.9	945.2	934.6	930.8	920.2	903.8	885.6	865.4	840.4
127.5°	990.4	987.5	982.7	976.9	965.4	961.5	951.9	934.6	917.3	898.1	875.0
130°	1016.3	1013.5	1008.7	1003.8	994.2	987.5	978.8	962.5	946.2	926.9	902.9
132.5°	1039.4	1035.6	1030.8	1026.9	1018.3	1013.5	1003.8	988.5	972.1	953.8	928.8
135°	1057.7	1055.8	1050.0	1046.2	1037.5	1031.7	1024.0	1009.6	994.2	976.0	953.8
137.5°	1075.0	1070.2	1067.3	1062.5	1053.8	1048.1	1041.3	1027.9	1013.5	997.1	976.9
140°	1086.5	1083.7	1079.8	1076.9	1068.3	1061.5	1055.8	1045.2	1030.8	1015.4	997.1
142.5°	1098.1	1095.2	1092.3	1087.5	1079.8	1075.0	1069.2	1059.6	1048.1	1032.7	1015.4
145°	1106.7	1103.8	1101.0	1098.1	1090.4	1085.6	1080.8	1073.1	1061.5	1047.1	1031.7
147.5°	1114.4	1112.5	1109.6	1106.7	1100.0	1096.2	1092.3	1084.6	1073.1	1058.7	1046.2
150°	1119.2	1117.3	1114.4	1113.5	1105.8	1101.9	1099.0	1092.3	1081.7	1067.3	1057.7
152.5°	1123.1	1121.2	1118.3	1117.3	1109.6	1106.7	1103.8	1097.1	1086.5	1073.1	1064.4
155°	1124.0	1122.1	1119.2	1117.3	1109.6	1106.7	1104.8	1098.1	1089.4	1077.9	1069.2
157.5°	1121.2	1120.2	1118.3	1114.4	1107.7	1104.8	1103.8	1097.1	1090.4	1080.8	1072.1
160°	1118.3	1116.3	1115.4	1112.5	1106.7	1104.8	1103.8	1098.1	1091.3	1082.7	1073.1
162.5°	1110.6	1110.6	1109.6	1107.7	1102.9	1101.0	1100.0	1095.2	1088.5	1081.7	1071.2
165°	1103.8	1102.9	1101.0	1099.0	1095.2	1094.2	1092.3	1089.4	1082.7	1077.9	1067.3
167.5°	1092.3	1091.3	1089.4	1086.5	1083.7	1083.7	1082.7	1080.8	1075.0	1073.1	1062.5
170°	1079.8	1077.9	1077.9	1076.0	1073.1	1073.1	1073.1	1071.2	1066.3	1065.4	1056.7
172.5°	1067.3	1065.4	1064.4	1063.5	1059.6	1060.6	1060.6	1058.7	1055.8	1057.7	1049.0
175°	1050.0	1049.0	1047.1	1047.1	1045.2	1046.2	1048.1	1047.1	1044.2	1047.1	1039.4
177.5°	1028.8	1027.9	1028.8	1031.7	1029.8	1032.7	1032.7	1033.7	1032.7	1035.6	1027.9
180°	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2
2.5°	369.2	370.2	369.2	370.2	370.2	369.2	370.2	371.2	373.1	374.0	373.1
5°	368.3	368.3	368.3	368.3	368.3	368.3	368.3	369.2	371.2	372.1	371.2
7.5°	365.4	366.3	365.4	366.3	366.3	365.4	365.4	367.3	368.3	369.2	368.3
10°	362.5	362.5	361.5	362.5	362.5	362.5	362.5	363.5	364.4	365.4	364.4
12.5°	357.7	357.7	356.7	357.7	357.7	357.7	357.7	358.7	360.6	361.5	360.6
15°	351.9	351.9	351.9	351.9	352.9	351.9	351.9	353.8	354.8	355.8	354.8
17.5°	344.2	345.2	344.2	345.2	345.2	345.2	345.2	347.1	348.1	349.0	348.1
20°	335.6	336.5	336.5	336.5	337.5	337.5	337.5	338.5	340.4	341.3	340.4
22.5°	327.9	328.8	328.8	328.8	328.8	328.8	329.8	330.8	332.7	332.7	332.7
25°	318.3	318.3	319.2	320.2	320.2	320.2	321.2	322.1	323.1	324.0	323.1
27.5°	308.7	308.7	308.7	310.6	310.6	310.6	310.6	311.5	313.5	313.5	313.5
30°	299.0	298.1	299.0	300.0	301.0	301.0	301.0	301.9	303.8	304.8	303.8
32.5°	288.5	287.5	288.5	289.4	289.4	290.4	290.4	291.3	293.3	293.3	293.3
35°	276.9	276.0	276.9	277.9	277.9	278.8	279.8	279.8	281.7	281.7	281.7
37.5°	265.4	264.4	265.4	266.3	266.3	267.3	267.3	268.3	270.2	270.2	270.2
40°	252.9	251.9	251.9	253.8	253.8	253.8	255.8	255.8	257.7	257.7	257.7
42.5°	239.4	238.5	239.4	240.4	240.4	240.4	241.3	242.3	243.3	243.3	243.3
45°	226.0	226.0	226.9	227.9	227.9	227.9	228.8	229.8	230.8	230.8	230.8
47.5°	213.5	213.5	214.4	215.4	215.4	215.4	216.3	216.3	218.3	217.3	217.3
50°	200.0	201.0	201.9	202.9	202.9	202.9	203.8	203.8	204.8	203.8	204.8
52.5°	186.5	187.5	188.5	189.4	189.4	189.4	190.4	190.4	191.3	190.4	191.3
55°	173.1	173.1	175.0	176.0	176.0	176.0	176.9	176.9	177.9	176.9	177.9
57.5°	160.6	160.6	161.5	162.5	162.5	162.5	163.5	164.4	164.4	164.4	164.4
60°	146.2	147.1	148.1	149.0	150.0	150.0	150.0	151.0	151.0	151.0	151.0
62.5°	132.7	133.7	134.6	135.6	136.5	135.6	136.5	137.5	137.5	137.5	137.5
65°	119.2	120.2	121.2	122.1	123.1	122.1	123.1	124.0	124.0	125.0	124.0
67.5°	105.8	105.8	107.7	108.7	108.7	108.7	109.6	110.6	110.6	111.5	111.5
70°	92.3	92.3	94.2	95.2	95.2	95.2	96.2	97.1	98.1	98.1	98.1
72.5°	78.8	79.8	80.8	81.7	82.7	81.7	82.7	83.7	84.6	84.6	84.6
75°	65.4	66.3	67.3	68.3	69.2	68.3	69.2	70.2	70.2	71.2	71.2
77.5°	51.9	52.9	53.8	54.8	55.8	55.8	55.8	56.7	57.7	58.7	57.7
80°	39.4	40.4	41.3	42.3	43.3	42.3	43.3	43.3	44.2	44.2	44.2
82.5°	26.9	28.8	28.8	29.8	29.8	29.8	30.8	30.8	31.7	32.7	31.7
85°	15.4	16.3	17.3	18.3	18.3	18.3	18.3	19.2	19.2	20.2	20.2
87.5°	4.8	4.8	5.8	6.7	6.7	6.7	7.7	7.7	8.7	8.7	8.7
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°	3.8	3.8	4.8	5.8	6.7	7.7	9.6	9.6	8.7	7.7	8.7
95°	9.6	11.5	14.4	18.3	22.1	24.0	28.8	27.9	24.0	20.2	19.2
97.5°	19.2	24.0	30.8	41.3	49.0	53.8	59.6	54.8	46.2	39.4	35.6
100°	34.6	45.2	60.6	82.7	94.2	99.0	101.0	90.4	76.9	64.4	56.7
102.5°	62.5	87.5	118.3	149.0	160.6	160.6	154.8	135.6	115.4	97.1	82.7
105°	124.0	166.3	213.5	236.5	241.3	234.6	215.4	189.4	160.6	136.5	116.3
107.5°	251.0	306.7	327.9	326.9	322.1	305.8	279.8	247.1	210.6	180.8	155.8
110°	415.4	431.7	427.9	405.8	393.3	375.0	339.4	306.7	263.5	231.7	200.0



TEST NUMBER: P303216

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	544.2	527.9	503.8	470.2	454.8	435.6	399.0	363.5	317.3	283.7	249.0
115°	626.9	596.2	564.4	527.9	511.5	491.3	454.8	415.4	369.2	334.6	299.0
117.5°	686.5	650.0	616.3	579.8	564.4	544.2	506.7	465.4	419.2	385.6	350.0
120°	729.8	698.1	663.5	627.9	613.5	593.3	553.8	514.4	471.2	434.6	399.0
122.5°	773.1	739.4	706.7	673.1	658.7	638.5	597.1	558.7	516.3	480.8	446.2
125°	810.6	777.9	747.1	715.4	700.0	677.9	639.4	601.0	560.6	526.0	493.3
127.5°	845.2	815.4	783.7	752.9	737.5	714.4	677.9	640.4	603.8	570.2	537.5
130°	876.0	850.0	819.2	788.5	771.2	750.0	715.4	678.8	644.2	612.5	580.8
132.5°	904.8	879.8	851.0	818.3	801.0	782.7	749.0	716.3	683.7	653.8	623.1
135°	932.7	905.8	876.9	845.2	829.8	813.5	780.8	748.1	720.2	691.3	662.5
137.5°	957.7	927.9	900.0	870.2	855.8	840.4	809.6	779.8	753.8	725.0	698.1
140°	977.9	948.1	922.1	892.3	879.8	866.3	836.5	808.7	785.6	760.6	733.7
142.5°	994.2	965.4	941.3	914.4	902.9	889.4	861.5	837.5	816.3	792.3	766.3
145°	1007.7	981.7	958.7	933.7	923.1	911.5	885.6	864.4	843.3	821.2	797.1
147.5°	1021.2	996.2	976.0	952.9	943.3	932.7	907.7	889.4	870.2	849.0	826.9
150°	1031.7	1009.6	989.4	969.2	959.6	950.0	927.9	909.6	894.2	875.0	854.8
152.5°	1039.4	1021.2	1002.9	984.6	975.0	966.3	948.1	931.7	918.3	900.0	880.8
155°	1045.2	1029.8	1013.5	998.1	989.4	981.7	964.4	951.0	937.5	922.1	903.8
157.5°	1050.0	1036.5	1022.1	1006.7	1001.0	993.3	977.9	967.3	955.8	942.3	926.0
160°	1052.9	1042.3	1027.9	1016.3	1010.6	1004.8	990.4	980.8	972.1	960.6	945.2
162.5°	1053.8	1044.2	1032.7	1023.1	1018.3	1012.5	1000.0	993.3	984.6	975.0	960.6
165°	1052.9	1046.2	1035.6	1027.9	1024.0	1018.3	1008.7	1002.9	997.1	988.5	976.0
167.5°	1051.0	1044.2	1037.5	1030.8	1026.9	1023.1	1015.4	1011.5	1006.7	1001.0	990.4
170°	1047.1	1043.3	1036.5	1032.7	1029.8	1026.0	1019.2	1017.3	1015.4	1009.6	1001.0
172.5°	1041.3	1038.5	1033.7	1030.8	1028.8	1026.0	1021.2	1021.2	1020.2	1016.3	1008.7
175°	1032.7	1031.7	1027.9	1026.9	1026.0	1023.1	1021.2	1022.1	1023.1	1021.2	1015.4
177.5°	1023.1	1024.0	1021.2	1022.1	1021.2	1019.2	1019.2	1022.1	1024.0	1024.0	1020.2
180°	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5



TEST NUMBER: P303216

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2
2.5°	372.1	370.2	369.2	370.2	369.2	368.3	368.3	369.2	371.2	373.1	371.2
5°	370.2	368.3	368.3	368.3	368.3	367.3	367.3	367.3	369.2	372.1	369.2
7.5°	367.3	365.4	365.4	365.4	365.4	364.4	364.4	364.4	366.3	368.3	366.3
10°	363.5	362.5	361.5	361.5	361.5	360.6	359.6	360.6	362.5	364.4	361.5
12.5°	358.7	357.7	356.7	356.7	356.7	355.8	355.8	355.8	357.7	358.7	356.7
15°	352.9	351.9	351.0	351.9	351.0	350.0	350.0	350.0	351.9	352.9	351.0
17.5°	346.2	345.2	344.2	344.2	344.2	342.3	342.3	342.3	345.2	345.2	343.3
20°	338.5	336.5	336.5	336.5	335.6	334.6	334.6	334.6	336.5	336.5	334.6
22.5°	330.8	329.8	327.9	327.9	327.9	326.9	326.0	326.0	328.8	326.9	326.0
25°	322.1	320.2	319.2	319.2	318.3	317.3	316.3	316.3	319.2	317.3	315.4
27.5°	311.5	310.6	309.6	309.6	308.7	306.7	306.7	306.7	309.6	306.7	305.8
30°	301.9	301.0	300.0	300.0	299.0	297.1	297.1	298.1	300.0	297.1	296.2
32.5°	291.3	290.4	288.5	288.5	287.5	286.5	286.5	287.5	288.5	285.6	284.6
35°	279.8	278.8	277.9	277.9	276.9	276.0	276.0	276.9	276.9	274.0	273.1
37.5°	268.3	267.3	266.3	265.4	264.4	264.4	264.4	265.4	264.4	262.5	260.6
40°	256.7	255.8	253.8	253.8	252.9	251.9	251.9	253.8	251.9	250.0	247.1
42.5°	242.3	241.3	239.4	239.4	238.5	238.5	239.4	240.4	238.5	236.5	234.6
45°	229.8	228.8	227.9	227.9	226.9	226.9	226.9	226.9	226.0	225.0	223.1
47.5°	217.3	216.3	215.4	215.4	215.4	214.4	214.4	214.4	213.5	211.5	210.6
50°	204.8	203.8	202.9	202.9	201.9	201.0	201.9	201.0	201.0	199.0	197.1
52.5°	191.3	190.4	190.4	189.4	190.4	189.4	188.5	188.5	187.5	185.6	184.6
55°	177.9	177.9	176.9	176.9	176.9	176.0	176.0	175.0	175.0	173.1	171.2
57.5°	165.4	164.4	164.4	164.4	164.4	162.5	162.5	161.5	161.5	159.6	158.7
60°	151.9	151.0	151.0	151.0	151.0	150.0	149.0	149.0	147.1	146.2	145.2
62.5°	138.5	137.5	137.5	137.5	137.5	136.5	135.6	135.6	133.7	132.7	131.7
65°	125.0	124.0	124.0	124.0	124.0	123.1	122.1	122.1	120.2	119.2	119.2
67.5°	111.5	110.6	110.6	110.6	110.6	109.6	108.7	108.7	106.7	106.7	105.8
70°	98.1	98.1	98.1	97.1	97.1	96.2	95.2	95.2	93.3	93.3	92.3
72.5°	84.6	84.6	83.7	82.7	83.7	83.7	81.7	81.7	80.8	80.8	79.8
75°	71.2	71.2	70.2	70.2	70.2	69.2	68.3	68.3	67.3	67.3	66.3
77.5°	57.7	57.7	56.7	56.7	57.7	56.7	55.8	55.8	54.8	54.8	53.8
80°	44.2	45.2	44.2	45.2	44.2	44.2	43.3	42.3	42.3	42.3	41.3
82.5°	31.7	32.7	31.7	32.7	31.7	31.7	30.8	29.8	28.8	28.8	27.9
85°	20.2	20.2	19.2	20.2	19.2	19.2	18.3	17.3	16.3	16.3	16.3
87.5°	8.7	8.7	7.7	8.7	7.7	7.7	6.7	6.7	5.8	5.8	5.8
90°	1.9	2.9	3.8	3.8	3.8	3.8	4.8	4.8	4.8	4.8	5.8
92.5°	12.5	16.3	18.3	18.3	17.3	18.3	19.2	18.3	18.3	17.3	17.3
95°	22.1	25.0	29.8	32.7	35.6	39.4	41.3	40.4	40.4	38.5	38.5
97.5°	33.7	37.5	41.3	40.4	41.3	47.1	51.9	56.7	59.6	61.5	62.5
100°	52.9	51.0	53.8	56.7	57.7	56.7	58.7	63.5	68.3	70.2	74.0
102.5°	76.0	70.2	68.3	69.2	71.2	77.9	75.0	76.0	76.9	78.8	83.7
105°	103.8	94.2	89.4	88.5	87.5	90.4	97.1	99.0	95.2	94.2	96.2
107.5°	137.5	123.1	115.4	111.5	109.6	109.6	111.5	117.3	122.1	120.2	118.3
110°	177.9	156.7	145.2	138.5	133.7	130.8	131.7	133.7	138.5	143.3	147.1



TEST NUMBER: P303216

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	222.1	196.2	177.9	170.2	163.5	154.8	152.9	152.9	154.8	159.6	164.4
115°	271.2	239.4	216.3	205.8	198.1	183.7	176.9	173.1	174.0	175.0	178.8
117.5°	320.2	287.5	260.6	247.1	236.5	218.3	204.8	198.1	195.2	194.2	196.2
120°	367.3	336.5	307.7	293.3	279.8	257.7	239.4	225.0	219.2	214.4	213.5
122.5°	413.5	383.7	353.8	338.5	325.0	301.0	282.7	263.5	250.0	239.4	233.7
125°	462.5	429.8	400.0	386.5	372.1	346.2	323.1	305.8	288.5	274.0	263.5
127.5°	505.8	476.0	446.2	432.7	420.2	392.3	368.3	349.0	330.8	312.5	297.1
130°	550.0	521.2	492.3	477.9	464.4	439.4	414.4	393.3	375.0	356.7	339.4
132.5°	592.3	564.4	536.5	522.1	510.6	485.6	459.6	439.4	419.2	401.9	384.6
135°	632.7	603.8	578.8	564.4	551.0	528.8	504.8	486.5	465.4	447.1	430.8
137.5°	671.2	642.3	619.2	605.8	595.2	573.1	551.0	531.7	511.5	493.3	476.0
140°	706.7	679.8	654.8	644.2	631.7	612.5	592.3	576.0	556.7	537.5	522.1
142.5°	741.3	715.4	694.2	680.8	671.2	651.0	631.7	618.3	601.9	581.7	567.3
145°	772.1	748.1	728.8	717.3	704.8	686.5	669.2	656.7	643.3	625.0	610.6
147.5°	803.8	780.8	760.6	751.9	740.4	723.1	707.7	695.2	685.6	667.3	653.8
150°	833.7	811.5	791.3	782.7	773.1	756.7	742.3	731.7	723.1	706.7	694.2
152.5°	861.5	839.4	822.1	813.5	803.8	789.4	775.0	764.4	759.6	743.3	730.8
155°	885.6	865.4	850.0	843.3	833.7	818.3	805.8	796.2	791.3	777.9	767.3
157.5°	908.7	888.5	875.0	869.2	860.6	846.2	835.6	825.0	822.1	811.5	800.0
160°	928.8	911.5	900.0	894.2	886.5	872.1	862.5	853.8	851.0	843.3	832.7
162.5°	947.1	931.7	922.1	915.4	908.7	898.1	887.5	879.8	877.9	873.1	861.5
165°	964.4	950.0	940.4	935.6	930.8	920.2	910.6	904.8	902.9	900.0	888.5
167.5°	979.8	966.3	957.7	954.8	949.0	940.4	932.7	926.9	926.0	925.0	914.4
170°	991.3	979.8	974.0	969.2	966.3	958.7	951.9	947.1	947.1	948.1	937.5
172.5°	1001.9	992.3	986.5	983.7	980.8	974.0	969.2	964.4	966.3	968.3	959.6
175°	1009.6	1001.9	997.1	995.2	993.3	987.5	983.7	981.7	983.7	987.5	978.8
177.5°	1015.4	1009.6	1006.7	1005.8	1003.8	1000.0	998.1	996.2	1000.0	1004.8	997.1
180°	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5



TEST NUMBER: P303216

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	371.2	371.2	371.2	371.2	371.2	371.2	371.2	371.2
2.5°	372.1	372.1	371.2	371.2	370.2	369.2	368.3	368.3
5°	370.2	369.2	369.2	369.2	368.3	368.3	367.3	367.3
7.5°	366.3	366.3	366.3	365.4	366.3	365.4	365.4	365.4
10°	362.5	361.5	361.5	361.5	361.5	360.6	360.6	361.5
12.5°	357.7	356.7	355.8	355.8	355.8	355.8	355.8	356.7
15°	351.0	351.0	351.0	350.0	350.0	350.0	350.0	351.0
17.5°	343.3	342.3	342.3	342.3	342.3	342.3	342.3	342.3
20°	334.6	333.7	333.7	332.7	332.7	332.7	332.7	333.7
22.5°	326.0	324.0	324.0	323.1	324.0	324.0	323.1	324.0
25°	315.4	314.4	314.4	313.5	313.5	312.5	312.5	313.5
27.5°	305.8	304.8	303.8	303.8	302.9	301.9	301.9	302.9
30°	295.2	294.2	293.3	292.3	292.3	291.3	291.3	292.3
32.5°	283.7	282.7	281.7	281.7	280.8	279.8	279.8	280.8
35°	272.1	271.2	270.2	270.2	269.2	268.3	268.3	269.2
37.5°	260.6	258.7	258.7	258.7	257.7	256.7	255.8	256.7
40°	246.2	245.2	244.2	243.3	243.3	242.3	242.3	242.3
42.5°	233.7	232.7	232.7	231.7	230.8	229.8	229.8	230.8
45°	221.2	221.2	220.2	219.2	218.3	218.3	218.3	218.3
47.5°	208.7	207.7	207.7	207.7	205.8	205.8	204.8	205.8
50°	196.2	195.2	195.2	195.2	193.3	193.3	193.3	193.3
52.5°	183.7	182.7	182.7	181.7	181.7	180.8	179.8	180.8
55°	170.2	170.2	169.2	169.2	168.3	167.3	167.3	168.3
57.5°	157.7	156.7	156.7	156.7	155.8	154.8	154.8	155.8
60°	144.2	144.2	144.2	143.3	142.3	142.3	142.3	142.3
62.5°	131.7	130.8	130.8	130.8	130.8	129.8	128.8	128.8
65°	118.3	117.3	117.3	117.3	116.3	117.3	116.3	116.3
67.5°	104.8	104.8	104.8	103.8	103.8	103.8	102.9	102.9
70°	92.3	91.3	92.3	91.3	91.3	91.3	90.4	90.4
72.5°	79.8	78.8	78.8	77.9	78.8	77.9	77.9	76.9
75°	66.3	66.3	65.4	65.4	65.4	65.4	64.4	64.4
77.5°	53.8	53.8	52.9	52.9	52.9	51.9	51.9	51.0
80°	40.4	40.4	40.4	39.4	39.4	39.4	39.4	38.5
82.5°	27.9	27.9	27.9	26.9	26.9	26.0	26.0	25.0
85°	15.4	15.4	15.4	14.4	14.4	14.4	14.4	13.5
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
90°	5.8	6.7	5.8	6.7	7.7	7.7	7.7	8.7
92.5°	17.3	17.3	17.3	18.3	18.3	17.3	17.3	17.3
95°	38.5	38.5	38.5	38.5	38.5	37.5	37.5	37.5
97.5°	63.5	63.5	63.5	64.4	63.5	61.5	61.5	61.5
100°	76.0	77.9	78.8	79.8	80.8	81.7	81.7	81.7
102.5°	87.5	88.5	89.4	90.4	91.3	91.3	91.3	91.3
105°	98.1	99.0	99.0	100.0	102.9	104.8	105.8	105.8
107.5°	117.3	117.3	117.3	118.3	118.3	118.3	118.3	118.3
110°	149.0	144.2	143.3	139.4	140.4	139.4	139.4	139.4



TEST NUMBER: P303216

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	169.2	172.1	173.1	174.0	174.0	173.1	171.2	170.2
115°	184.6	187.5	189.4	189.4	192.3	194.2	194.2	194.2
117.5°	199.0	201.9	202.9	204.8	206.7	208.7	209.6	209.6
120°	214.4	217.3	217.3	219.2	220.2	222.1	223.1	223.1
122.5°	231.7	233.7	233.7	233.7	235.6	235.6	236.5	236.5
125°	257.7	255.8	254.8	253.8	253.8	252.9	253.8	252.9
127.5°	287.5	282.7	279.8	276.9	275.0	272.1	272.1	271.2
130°	324.0	318.3	311.5	308.7	303.8	301.0	299.0	297.1
132.5°	368.3	360.6	353.8	349.0	342.3	336.5	333.7	331.7
135°	416.3	403.8	396.2	393.3	385.6	378.8	376.9	375.0
137.5°	461.5	450.0	443.3	440.4	432.7	426.0	423.1	421.2
140°	505.8	494.2	486.5	485.6	477.9	472.1	470.2	468.3
142.5°	551.0	541.3	532.7	529.8	523.1	519.2	515.4	514.4
145°	595.2	584.6	576.9	575.0	568.3	563.5	560.6	558.7
147.5°	639.4	629.8	622.1	620.2	613.5	609.6	605.8	603.8
150°	681.7	670.2	665.4	663.5	656.7	653.8	650.0	648.1
152.5°	721.2	710.6	706.7	703.8	699.0	693.3	692.3	690.4
155°	756.7	747.1	744.2	741.3	736.5	733.7	732.7	731.7
157.5°	792.3	783.7	779.8	776.9	773.1	770.2	769.2	770.2
160°	826.9	818.3	815.4	813.5	807.7	805.8	805.8	805.8
162.5°	857.7	851.0	848.1	846.2	843.3	840.4	838.5	839.4
165°	885.6	879.8	877.9	875.0	872.1	871.2	870.2	870.2
167.5°	911.5	905.8	903.8	901.0	900.0	898.1	897.1	899.0
170°	936.5	930.8	929.8	926.9	925.0	924.0	922.1	925.0
172.5°	958.7	954.8	952.9	951.0	951.0	950.0	949.0	951.0
175°	978.8	976.0	974.0	971.2	972.1	971.2	971.2	973.1
177.5°	998.1	996.2	994.2	993.3	992.3	990.4	988.5	989.4
180°	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5	1013.5

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