

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: P303220

Luminaire Tested: **CTW-F-7525-40L940-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303220
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-7525-40L940-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

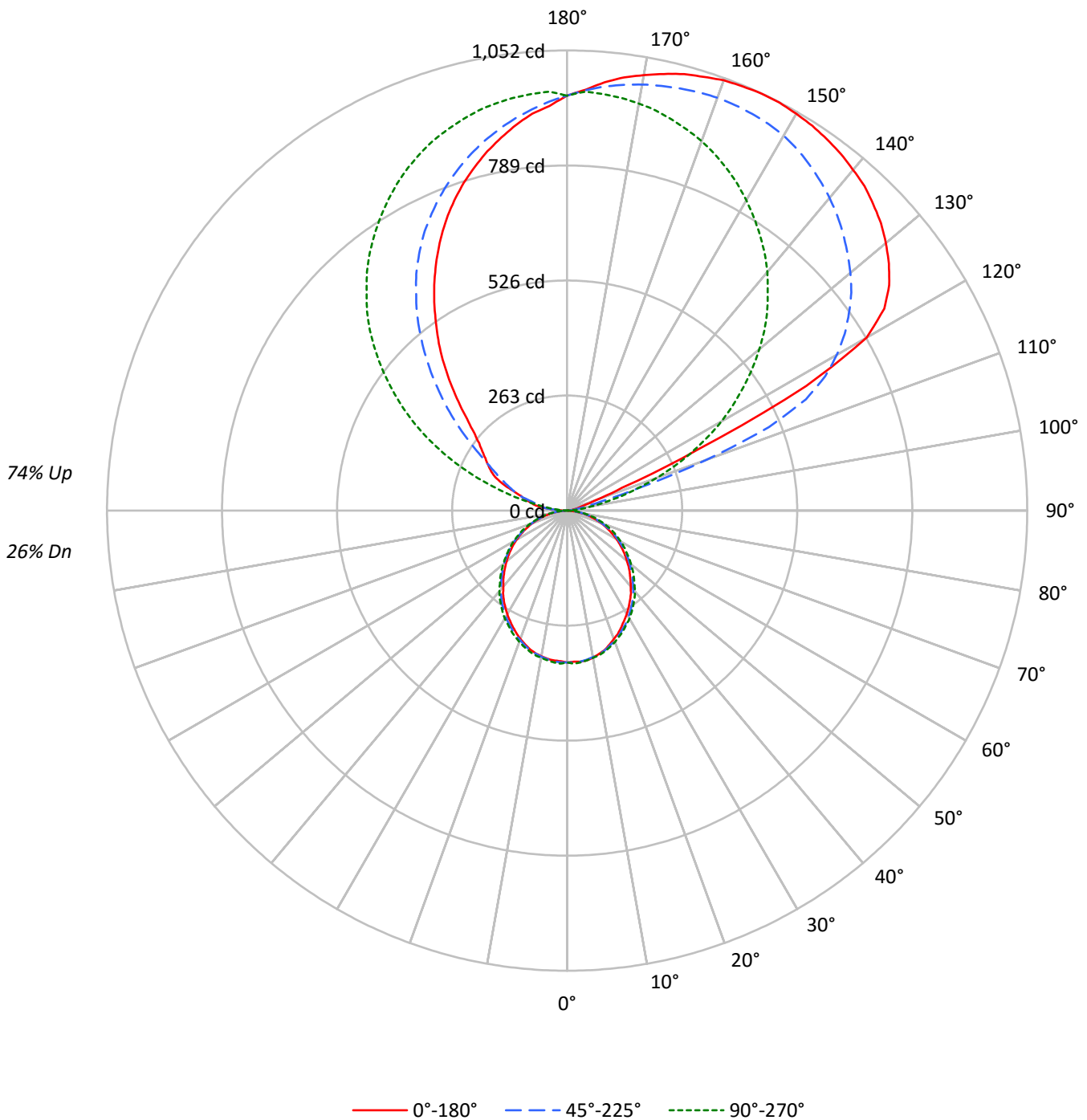
Lumens per Lamp: N/A
Luminaire Lumens: 3603.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	7479	7479	7479
5°	7488	7527	7430
10°	7456	7476	7397
15°	7361	7422	7321
20°	7155	7320	7155
25°	6969	7204	6969
30°	6779	7092	6801
35°	6575	6930	6623
40°	6348	6778	6374
45°	6165	6576	6220
50°	5968	6390	6059
55°	5810	6215	5911
60°	5619	6084	5735
65°	5364	5960	5547
70°	5098	5778	5325
75°	4716	5540	5016
80°	4128	5133	4463
85°	2668	4668	3112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	0.9
10°-20°	92.8	2.6
20°-30°	137.0	3.8
30°-40°	160.7	4.5
40°-50°	161.8	4.5
50°-60°	144.3	4.0
60°-70°	110.6	3.1
70°-80°	65.8	1.8
80°-90°	18.2	0.5
90°-100°	26.5	0.7
100°-110°	113.3	3.1
110°-120°	323.2	9.0
120°-130°	472.6	13.1
130°-140°	509.9	14.2
140°-150°	485.2	13.5
150°-160°	398.2	11.1
160°-170°	260.0	7.2
170°-180°	90.1	2.5
0°-30°	262.6	7.3
0°-40°	423.3	11.7
0°-60°	729.4	20.2
0°-90°	923.9	25.6
90°-120°	463.0	12.9
90°-150°	1930.7	53.6
90°-180°	2679.0	74.4
0°-180°	3603.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	347	347	347	347	347	
5°	346	346	348	346	344	33
15°	330	331	333	329	328	93
25°	293	300	303	299	293	135
35°	250	259	264	259	252	157
45°	202	211	216	212	204	156
55°	155	161	166	164	158	138
65°	105	111	117	112	109	105
75°	57	60	67	63	60	60
85°	11	14	19	15	13	14
90°	1	1	1	4	8	1
95°	6	8	19	38	35	7
105°	30	81	128	89	99	36
115°	328	602	313	163	182	369
125°	899	787	492	270	237	796
135°	990	893	647	436	351	765
145°	1036	966	769	602	523	650
155°	1052	1001	863	741	685	486
165°	1033	999	925	845	814	293
175°	983	973	956	921	911	95
180°	949	949	949	949	949	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4
2.5°	345.6	344.7	346.5	347.4	347.4	348.3	348.3	348.3	348.3	349.2	347.4
5°	346.5	346.5	346.5	346.5	345.6	346.5	346.5	347.4	347.4	348.3	346.5
7.5°	345.6	344.7	344.7	344.7	343.8	343.8	344.7	344.7	343.8	345.6	343.8
10°	341.1	341.1	340.2	340.2	340.2	340.2	340.2	341.1	341.1	342.0	340.2
12.5°	335.7	335.7	335.7	335.7	334.8	334.8	335.7	336.6	336.6	337.5	336.6
15°	330.3	329.4	330.3	331.2	330.3	330.3	330.3	331.2	331.2	332.1	331.2
17.5°	321.3	321.3	322.2	323.1	323.1	322.2	323.1	324.0	324.0	324.9	324.0
20°	312.3	312.3	313.2	314.1	314.1	314.1	315.0	315.0	315.9	315.9	316.8
22.5°	304.2	303.3	304.2	305.1	305.1	304.2	306.0	306.0	306.9	307.8	308.7
25°	293.4	292.5	294.3	295.2	295.2	295.2	296.1	297.0	297.9	298.8	299.7
27.5°	282.6	282.6	283.5	284.4	285.3	285.3	286.2	288.0	288.0	288.9	290.7
30°	272.7	272.7	273.6	274.5	275.4	275.4	275.4	277.2	279.0	279.0	280.8
32.5°	261.9	261.0	261.9	263.7	263.7	263.7	264.6	266.4	267.3	268.2	270.0
35°	250.2	250.2	251.1	252.0	252.9	252.9	253.8	255.6	256.5	257.4	259.2
37.5°	239.4	238.5	239.4	240.3	241.2	241.2	242.1	243.9	244.8	245.7	247.5
40°	225.9	225.0	225.9	226.8	227.7	227.7	228.6	231.3	232.2	233.1	234.9
42.5°	214.2	213.3	214.2	215.1	216.0	216.9	216.9	217.8	219.6	220.5	222.3
45°	202.5	201.6	201.6	203.4	204.3	204.3	205.2	206.1	207.9	208.8	210.6
47.5°	190.8	189.9	190.8	191.7	191.7	192.6	193.5	193.5	195.3	197.1	198.0
50°	178.2	178.2	178.2	179.1	180.0	180.9	180.9	181.8	182.7	184.5	186.3
52.5°	166.5	165.6	166.5	167.4	168.3	168.3	169.2	169.2	170.1	172.8	173.7
55°	154.8	153.9	153.9	154.8	154.8	155.7	156.6	156.6	157.5	159.3	161.1
57.5°	142.2	142.2	142.2	143.1	143.1	143.1	144.9	144.9	145.8	147.6	148.5
60°	130.5	130.5	129.6	130.5	130.5	131.4	132.3	132.3	133.2	134.1	135.9
62.5°	117.9	117.9	117.0	117.9	118.8	118.8	119.7	119.7	120.6	122.4	123.3
65°	105.3	106.2	105.3	105.3	106.2	106.2	107.1	107.1	108.0	108.9	110.7
67.5°	93.6	93.6	92.7	93.6	93.6	94.5	94.5	95.4	95.4	96.3	97.2
70°	81.0	81.0	81.0	81.0	81.9	81.9	82.8	82.8	82.8	83.7	84.6
72.5°	69.3	69.3	68.4	68.4	69.3	70.2	70.2	71.1	71.1	72.9	72.9
75°	56.7	56.7	56.7	56.7	57.6	57.6	57.6	58.5	59.4	59.4	60.3
77.5°	45.0	44.1	45.0	45.0	45.0	45.0	45.9	46.8	46.8	47.7	48.6
80°	33.3	32.4	33.3	33.3	33.3	33.3	34.2	34.2	35.1	36.0	36.0
82.5°	21.6	20.7	21.6	21.6	21.6	21.6	22.5	22.5	23.4	24.3	24.3
85°	10.8	9.9	10.8	10.8	10.8	10.8	10.8	11.7	12.6	12.6	13.5
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.6
90°	0.9	1.8	1.8	1.8	0.9	1.8	0.9	1.8	0.9	0.9	0.9
92.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
95°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.2	7.2	7.2	8.1
97.5°	10.8	9.9	9.9	10.8	10.8	10.8	10.8	11.7	12.6	13.5	15.3
100°	15.3	15.3	15.3	16.2	16.2	17.1	17.1	18.0	19.8	21.6	25.2
102.5°	22.5	22.5	22.5	23.4	23.4	24.3	25.2	27.0	29.7	34.2	42.3
105°	29.7	30.6	31.5	32.4	34.2	36.0	36.9	40.5	46.8	58.5	81.0
107.5°	44.1	44.1	45.9	47.7	51.3	54.9	57.6	68.4	83.7	116.1	170.1
110°	69.3	68.4	71.1	79.2	89.1	99.0	104.4	141.3	183.6	254.7	336.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	135.9	134.1	143.1	162.0	198.0	228.6	242.1	313.2	389.7	456.3	499.5
115°	327.6	323.1	342.0	379.8	442.8	479.7	491.4	549.9	588.6	600.3	602.1
117.5°	616.5	611.1	623.7	644.4	677.7	690.3	687.6	697.5	693.0	682.2	665.1
120°	790.2	785.7	785.7	784.8	786.6	783.0	778.5	768.6	751.5	734.4	711.9
122.5°	859.5	857.7	853.2	845.1	839.7	835.2	826.2	811.8	794.7	775.8	752.4
125°	899.1	896.4	891.9	884.7	874.8	871.2	861.3	846.0	828.9	810.0	786.6
127.5°	927.0	924.3	919.8	914.4	903.6	900.0	891.0	874.8	858.6	840.6	819.0
130°	951.3	948.6	944.1	939.6	930.6	924.3	916.2	900.9	885.6	867.6	845.1
132.5°	972.9	969.3	964.8	961.2	953.1	948.6	939.6	925.2	909.9	892.8	869.4
135°	990.0	988.2	982.8	979.2	971.1	965.7	958.5	945.0	930.6	913.5	892.8
137.5°	1006.2	1001.7	999.0	994.5	986.4	981.0	974.7	962.1	948.6	933.3	914.4
140°	1017.0	1014.3	1010.7	1008.0	999.9	993.6	988.2	978.3	964.8	950.4	933.3
142.5°	1027.8	1025.1	1022.4	1017.9	1010.7	1006.2	1000.8	991.8	981.0	966.6	950.4
145°	1035.9	1033.2	1030.5	1027.8	1020.6	1016.1	1011.6	1004.4	993.6	980.1	965.7
147.5°	1043.1	1041.3	1038.6	1035.9	1029.6	1026.0	1022.4	1015.2	1004.4	990.9	979.2
150°	1047.6	1045.8	1043.1	1042.2	1035.0	1031.4	1028.7	1022.4	1012.5	999.0	990.0
152.5°	1051.2	1049.4	1046.7	1045.8	1038.6	1035.9	1033.2	1026.9	1017.0	1004.4	996.3
155°	1052.1	1050.3	1047.6	1045.8	1038.6	1035.9	1034.1	1027.8	1019.7	1008.9	1000.8
157.5°	1049.4	1048.5	1046.7	1043.1	1036.8	1034.1	1033.2	1026.9	1020.6	1011.6	1003.5
160°	1046.7	1044.9	1044.0	1041.3	1035.9	1034.1	1033.2	1027.8	1021.5	1013.4	1004.4
162.5°	1039.5	1039.5	1038.6	1036.8	1032.3	1030.5	1029.6	1025.1	1018.8	1012.5	1002.6
165°	1033.2	1032.3	1030.5	1028.7	1025.1	1024.2	1022.4	1019.7	1013.4	1008.9	999.0
167.5°	1022.4	1021.5	1019.7	1017.0	1014.3	1014.3	1013.4	1011.6	1006.2	1004.4	994.5
170°	1010.7	1008.9	1008.9	1007.1	1004.4	1004.4	1004.4	1002.6	998.1	997.2	989.1
172.5°	999.0	997.2	996.3	995.4	991.8	992.7	992.7	990.9	988.2	990.0	981.9
175°	982.8	981.9	980.1	980.1	978.3	979.2	981.0	980.1	977.4	980.1	972.9
177.5°	963.0	962.1	963.0	965.7	963.9	966.6	966.6	967.5	966.6	969.3	962.1
180°	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4
2.5°	345.6	346.5	345.6	346.5	346.5	345.6	346.5	347.4	349.2	350.1	349.2
5°	344.7	344.7	344.7	344.7	344.7	344.7	344.7	345.6	347.4	348.3	347.4
7.5°	342.0	342.9	342.0	342.9	342.9	342.0	342.0	343.8	344.7	345.6	344.7
10°	339.3	339.3	338.4	339.3	339.3	339.3	339.3	340.2	341.1	342.0	341.1
12.5°	334.8	334.8	333.9	334.8	334.8	334.8	334.8	335.7	337.5	338.4	337.5
15°	329.4	329.4	329.4	329.4	330.3	329.4	329.4	331.2	332.1	333.0	332.1
17.5°	322.2	323.1	322.2	323.1	323.1	323.1	323.1	324.9	325.8	326.7	325.8
20°	314.1	315.0	315.0	315.0	315.9	315.9	315.9	316.8	318.6	319.5	318.6
22.5°	306.9	307.8	307.8	307.8	307.8	307.8	308.7	309.6	311.4	311.4	311.4
25°	297.9	297.9	298.8	299.7	299.7	299.7	300.6	301.5	302.4	303.3	302.4
27.5°	288.9	288.9	288.9	290.7	290.7	290.7	290.7	291.6	293.4	293.4	293.4
30°	279.9	279.0	279.9	280.8	281.7	281.7	281.7	282.6	284.4	285.3	284.4
32.5°	270.0	269.1	270.0	270.9	270.9	271.8	271.8	272.7	274.5	274.5	274.5
35°	259.2	258.3	259.2	260.1	260.1	261.0	261.9	261.9	263.7	263.7	263.7
37.5°	248.4	247.5	248.4	249.3	249.3	250.2	250.2	251.1	252.9	252.9	252.9
40°	236.7	235.8	235.8	237.6	237.6	237.6	239.4	239.4	241.2	241.2	241.2
42.5°	224.1	223.2	224.1	225.0	225.0	225.0	225.9	226.8	227.7	227.7	227.7
45°	211.5	211.5	212.4	213.3	213.3	213.3	214.2	215.1	216.0	216.0	216.0
47.5°	199.8	199.8	200.7	201.6	201.6	201.6	202.5	202.5	204.3	203.4	203.4
50°	187.2	188.1	189.0	189.9	189.9	189.9	190.8	190.8	191.7	190.8	191.7
52.5°	174.6	175.5	176.4	177.3	177.3	177.3	178.2	178.2	179.1	178.2	179.1
55°	162.0	162.0	163.8	164.7	164.7	164.7	165.6	165.6	166.5	165.6	166.5
57.5°	150.3	150.3	151.2	152.1	152.1	152.1	153.0	153.9	153.9	153.9	153.9
60°	136.8	137.7	138.6	139.5	140.4	140.4	140.4	141.3	141.3	141.3	141.3
62.5°	124.2	125.1	126.0	126.9	127.8	126.9	127.8	128.7	128.7	128.7	128.7
65°	111.6	112.5	113.4	114.3	115.2	114.3	115.2	116.1	116.1	117.0	116.1
67.5°	99.0	99.0	100.8	101.7	101.7	101.7	102.6	103.5	103.5	104.4	104.4
70°	86.4	86.4	88.2	89.1	89.1	89.1	90.0	90.9	91.8	91.8	91.8
72.5°	73.8	74.7	75.6	76.5	77.4	76.5	77.4	78.3	79.2	79.2	79.2
75°	61.2	62.1	63.0	63.9	64.8	63.9	64.8	65.7	65.7	66.6	66.6
77.5°	48.6	49.5	50.4	51.3	52.2	52.2	52.2	53.1	54.0	54.9	54.0
80°	36.9	37.8	38.7	39.6	40.5	39.6	40.5	40.5	41.4	41.4	41.4
82.5°	25.2	27.0	27.0	27.9	27.9	27.9	28.8	28.8	29.7	30.6	29.7
85°	14.4	15.3	16.2	17.1	17.1	17.1	17.1	18.0	18.0	18.9	18.9
87.5°	4.5	4.5	5.4	6.3	6.3	6.3	7.2	7.2	8.1	8.1	8.1
90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
92.5°	3.6	3.6	4.5	5.4	6.3	7.2	9.0	9.0	8.1	7.2	8.1
95°	9.0	10.8	13.5	17.1	20.7	22.5	27.0	26.1	22.5	18.9	18.0
97.5°	18.0	22.5	28.8	38.7	45.9	50.4	55.8	51.3	43.2	36.9	33.3
100°	32.4	42.3	56.7	77.4	88.2	92.7	94.5	84.6	72.0	60.3	53.1
102.5°	58.5	81.9	110.7	139.5	150.3	150.3	144.9	126.9	108.0	90.9	77.4
105°	116.1	155.7	199.8	221.4	225.9	219.6	201.6	177.3	150.3	127.8	108.9
107.5°	234.9	287.1	306.9	306.0	301.5	286.2	261.9	231.3	197.1	169.2	145.8
110°	388.8	404.1	400.5	379.8	368.1	351.0	317.7	287.1	246.6	216.9	187.2



TEST NUMBER: P303220

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	509.4	494.1	471.6	440.1	425.7	407.7	373.5	340.2	297.0	265.5	233.1
115°	586.8	558.0	528.3	494.1	478.8	459.9	425.7	388.8	345.6	313.2	279.9
117.5°	642.6	608.4	576.9	542.7	528.3	509.4	474.3	435.6	392.4	360.9	327.6
120°	683.1	653.4	621.0	587.7	574.2	555.3	518.4	481.5	441.0	406.8	373.5
122.5°	723.6	692.1	661.5	630.0	616.5	597.6	558.9	522.9	483.3	450.0	417.6
125°	758.7	728.1	699.3	669.6	655.2	634.5	598.5	562.5	524.7	492.3	461.7
127.5°	791.1	763.2	733.5	704.7	690.3	668.7	634.5	599.4	565.2	533.7	503.1
130°	819.9	795.6	766.8	738.0	721.8	702.0	669.6	635.4	603.0	573.3	543.6
132.5°	846.9	823.5	796.5	765.9	749.7	732.6	701.1	670.5	639.9	612.0	583.2
135°	873.0	847.8	820.8	791.1	776.7	761.4	730.8	700.2	674.1	647.1	620.1
137.5°	896.4	868.5	842.4	814.5	801.0	786.6	757.8	729.9	705.6	678.6	653.4
140°	915.3	887.4	863.1	835.2	823.5	810.9	783.0	756.9	735.3	711.9	686.7
142.5°	930.6	903.6	881.1	855.9	845.1	832.5	806.4	783.9	764.1	741.6	717.3
145°	943.2	918.9	897.3	873.9	864.0	853.2	828.9	809.1	789.3	768.6	746.1
147.5°	955.8	932.4	913.5	891.9	882.9	873.0	849.6	832.5	814.5	794.7	774.0
150°	965.7	945.0	926.1	907.2	898.2	889.2	868.5	851.4	837.0	819.0	800.1
152.5°	972.9	955.8	938.7	921.6	912.6	904.5	887.4	872.1	859.5	842.4	824.4
155°	978.3	963.9	948.6	934.2	926.1	918.9	902.7	890.1	877.5	863.1	846.0
157.5°	982.8	970.2	956.7	942.3	936.9	929.7	915.3	905.4	894.6	882.0	866.7
160°	985.5	975.6	962.1	951.3	945.9	940.5	927.0	918.0	909.9	899.1	884.7
162.5°	986.4	977.4	966.6	957.6	953.1	947.7	936.0	929.7	921.6	912.6	899.1
165°	985.5	979.2	969.3	962.1	958.5	953.1	944.1	938.7	933.3	925.2	913.5
167.5°	983.7	977.4	971.1	964.8	961.2	957.6	950.4	946.8	942.3	936.9	927.0
170°	980.1	976.5	970.2	966.6	963.9	960.3	954.0	952.2	950.4	945.0	936.9
172.5°	974.7	972.0	967.5	964.8	963.0	960.3	955.8	955.8	954.9	951.3	944.1
175°	966.6	965.7	962.1	961.2	960.3	957.6	955.8	956.7	957.6	955.8	950.4
177.5°	957.6	958.5	955.8	956.7	955.8	954.0	954.0	956.7	958.5	958.5	954.9
180°	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6



TEST NUMBER: P303220

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4
2.5°	348.3	346.5	345.6	346.5	345.6	344.7	344.7	345.6	347.4	349.2	347.4
5°	346.5	344.7	344.7	344.7	344.7	343.8	343.8	343.8	345.6	348.3	345.6
7.5°	343.8	342.0	342.0	342.0	342.0	341.1	341.1	341.1	342.9	344.7	342.9
10°	340.2	339.3	338.4	338.4	338.4	337.5	336.6	337.5	339.3	341.1	338.4
12.5°	335.7	334.8	333.9	333.9	333.9	333.0	333.0	333.0	334.8	335.7	333.9
15°	330.3	329.4	328.5	329.4	328.5	327.6	327.6	327.6	329.4	330.3	328.5
17.5°	324.0	323.1	322.2	322.2	322.2	320.4	320.4	320.4	323.1	323.1	321.3
20°	316.8	315.0	315.0	315.0	314.1	313.2	313.2	313.2	315.0	315.0	313.2
22.5°	309.6	308.7	306.9	306.9	306.9	306.0	305.1	305.1	307.8	306.0	305.1
25°	301.5	299.7	298.8	298.8	297.9	297.0	296.1	296.1	298.8	297.0	295.2
27.5°	291.6	290.7	289.8	289.8	288.9	287.1	287.1	287.1	289.8	287.1	286.2
30°	282.6	281.7	280.8	280.8	279.9	278.1	278.1	279.0	280.8	278.1	277.2
32.5°	272.7	271.8	270.0	270.0	269.1	268.2	268.2	269.1	270.0	267.3	266.4
35°	261.9	261.0	260.1	260.1	259.2	258.3	258.3	259.2	259.2	256.5	255.6
37.5°	251.1	250.2	249.3	248.4	247.5	247.5	247.5	248.4	247.5	245.7	243.9
40°	240.3	239.4	237.6	237.6	236.7	235.8	235.8	237.6	235.8	234.0	231.3
42.5°	226.8	225.9	224.1	224.1	223.2	223.2	224.1	225.0	223.2	221.4	219.6
45°	215.1	214.2	213.3	213.3	212.4	212.4	212.4	212.4	211.5	210.6	208.8
47.5°	203.4	202.5	201.6	201.6	201.6	200.7	200.7	200.7	199.8	198.0	197.1
50°	191.7	190.8	189.9	189.9	189.0	188.1	189.0	188.1	188.1	186.3	184.5
52.5°	179.1	178.2	178.2	177.3	178.2	177.3	176.4	176.4	175.5	173.7	172.8
55°	166.5	166.5	165.6	165.6	165.6	164.7	164.7	163.8	163.8	162.0	160.2
57.5°	154.8	153.9	153.9	153.9	153.9	152.1	152.1	151.2	151.2	149.4	148.5
60°	142.2	141.3	141.3	141.3	141.3	140.4	139.5	139.5	137.7	136.8	135.9
62.5°	129.6	128.7	128.7	128.7	128.7	127.8	126.9	126.9	125.1	124.2	123.3
65°	117.0	116.1	116.1	116.1	116.1	115.2	114.3	114.3	112.5	111.6	111.6
67.5°	104.4	103.5	103.5	103.5	103.5	102.6	101.7	101.7	99.9	99.9	99.0
70°	91.8	91.8	91.8	90.9	90.9	90.0	89.1	89.1	87.3	87.3	86.4
72.5°	79.2	79.2	78.3	77.4	78.3	78.3	76.5	76.5	75.6	75.6	74.7
75°	66.6	66.6	65.7	65.7	65.7	64.8	63.9	63.9	63.0	63.0	62.1
77.5°	54.0	54.0	53.1	53.1	54.0	53.1	52.2	52.2	51.3	51.3	50.4
80°	41.4	42.3	41.4	42.3	41.4	41.4	40.5	39.6	39.6	39.6	38.7
82.5°	29.7	30.6	29.7	30.6	29.7	29.7	28.8	27.9	27.0	27.0	26.1
85°	18.9	18.9	18.0	18.9	18.0	18.0	17.1	16.2	15.3	15.3	15.3
87.5°	8.1	8.1	7.2	8.1	7.2	7.2	6.3	6.3	5.4	5.4	5.4
90°	1.8	2.7	3.6	3.6	3.6	3.6	4.5	4.5	4.5	4.5	5.4
92.5°	11.7	15.3	17.1	17.1	16.2	17.1	18.0	17.1	17.1	16.2	16.2
95°	20.7	23.4	27.9	30.6	33.3	36.9	38.7	37.8	37.8	36.0	36.0
97.5°	31.5	35.1	38.7	37.8	38.7	44.1	48.6	53.1	55.8	57.6	58.5
100°	49.5	47.7	50.4	53.1	54.0	53.1	54.9	59.4	63.9	65.7	69.3
102.5°	71.1	65.7	63.9	64.8	66.6	72.9	70.2	71.1	72.0	73.8	78.3
105°	97.2	88.2	83.7	82.8	81.9	84.6	90.9	92.7	89.1	88.2	90.0
107.5°	128.7	115.2	108.0	104.4	102.6	102.6	104.4	109.8	114.3	112.5	110.7
110°	166.5	146.7	135.9	129.6	125.1	122.4	123.3	125.1	129.6	134.1	137.7



TEST NUMBER: P303220

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	207.9	183.6	166.5	159.3	153.0	144.9	143.1	143.1	144.9	149.4	153.9
115°	253.8	224.1	202.5	192.6	185.4	171.9	165.6	162.0	162.9	163.8	167.4
117.5°	299.7	269.1	243.9	231.3	221.4	204.3	191.7	185.4	182.7	181.8	183.6
120°	343.8	315.0	288.0	274.5	261.9	241.2	224.1	210.6	205.2	200.7	199.8
122.5°	387.0	359.1	331.2	316.8	304.2	281.7	264.6	246.6	234.0	224.1	218.7
125°	432.9	402.3	374.4	361.8	348.3	324.0	302.4	286.2	270.0	256.5	246.6
127.5°	473.4	445.5	417.6	405.0	393.3	367.2	344.7	326.7	309.6	292.5	278.1
130°	514.8	487.8	460.8	447.3	434.7	411.3	387.9	368.1	351.0	333.9	317.7
132.5°	554.4	528.3	502.2	488.7	477.9	454.5	430.2	411.3	392.4	376.2	360.0
135°	592.2	565.2	541.8	528.3	515.7	495.0	472.5	455.4	435.6	418.5	403.2
137.5°	628.2	601.2	579.6	567.0	557.1	536.4	515.7	497.7	478.8	461.7	445.5
140°	661.5	636.3	612.9	603.0	591.3	573.3	554.4	539.1	521.1	503.1	488.7
142.5°	693.9	669.6	649.8	637.2	628.2	609.3	591.3	578.7	563.4	544.5	531.0
145°	722.7	700.2	682.2	671.4	659.7	642.6	626.4	614.7	602.1	585.0	571.5
147.5°	752.4	730.8	711.9	703.8	693.0	676.8	662.4	650.7	641.7	624.6	612.0
150°	780.3	759.6	740.7	732.6	723.6	708.3	694.8	684.9	676.8	661.5	649.8
152.5°	806.4	785.7	769.5	761.4	752.4	738.9	725.4	715.5	711.0	695.7	684.0
155°	828.9	810.0	795.6	789.3	780.3	765.9	754.2	745.2	740.7	728.1	718.2
157.5°	850.5	831.6	819.0	813.6	805.5	792.0	782.1	772.2	769.5	759.6	748.8
160°	869.4	853.2	842.4	837.0	829.8	816.3	807.3	799.2	796.5	789.3	779.4
162.5°	886.5	872.1	863.1	856.8	850.5	840.6	830.7	823.5	821.7	817.2	806.4
165°	902.7	889.2	880.2	875.7	871.2	861.3	852.3	846.9	845.1	842.4	831.6
167.5°	917.1	904.5	896.4	893.7	888.3	880.2	873.0	867.6	866.7	865.8	855.9
170°	927.9	917.1	911.7	907.2	904.5	897.3	891.0	886.5	886.5	887.4	877.5
172.5°	937.8	928.8	923.4	920.7	918.0	911.7	907.2	902.7	904.5	906.3	898.2
175°	945.0	937.8	933.3	931.5	929.7	924.3	920.7	918.9	920.7	924.3	916.2
177.5°	950.4	945.0	942.3	941.4	939.6	936.0	934.2	932.4	936.0	940.5	933.3
180°	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6



TEST NUMBER: P303220

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	347.4	347.4	347.4	347.4	347.4	347.4	347.4	347.4
2.5°	348.3	348.3	347.4	347.4	346.5	345.6	344.7	344.7
5°	346.5	345.6	345.6	345.6	344.7	344.7	343.8	343.8
7.5°	342.9	342.9	342.9	342.0	342.9	342.0	342.0	342.0
10°	339.3	338.4	338.4	338.4	338.4	337.5	337.5	338.4
12.5°	334.8	333.9	333.0	333.0	333.0	333.0	333.0	333.9
15°	328.5	328.5	328.5	327.6	327.6	327.6	327.6	328.5
17.5°	321.3	320.4	320.4	320.4	320.4	320.4	320.4	320.4
20°	313.2	312.3	312.3	311.4	311.4	311.4	311.4	312.3
22.5°	305.1	303.3	303.3	302.4	303.3	303.3	302.4	303.3
25°	295.2	294.3	294.3	293.4	293.4	292.5	292.5	293.4
27.5°	286.2	285.3	284.4	284.4	283.5	282.6	282.6	283.5
30°	276.3	275.4	274.5	273.6	273.6	272.7	272.7	273.6
32.5°	265.5	264.6	263.7	263.7	262.8	261.9	261.9	262.8
35°	254.7	253.8	252.9	252.9	252.0	251.1	251.1	252.0
37.5°	243.9	242.1	242.1	242.1	241.2	240.3	239.4	240.3
40°	230.4	229.5	228.6	227.7	227.7	226.8	226.8	226.8
42.5°	218.7	217.8	217.8	216.9	216.0	215.1	215.1	216.0
45°	207.0	207.0	206.1	205.2	204.3	204.3	204.3	204.3
47.5°	195.3	194.4	194.4	194.4	192.6	192.6	191.7	192.6
50°	183.6	182.7	182.7	182.7	180.9	180.9	180.9	180.9
52.5°	171.9	171.0	171.0	170.1	170.1	169.2	168.3	169.2
55°	159.3	159.3	158.4	158.4	157.5	156.6	156.6	157.5
57.5°	147.6	146.7	146.7	146.7	145.8	144.9	144.9	145.8
60°	135.0	135.0	135.0	134.1	133.2	133.2	133.2	133.2
62.5°	123.3	122.4	122.4	122.4	122.4	121.5	120.6	120.6
65°	110.7	109.8	109.8	109.8	108.9	109.8	108.9	108.9
67.5°	98.1	98.1	98.1	97.2	97.2	97.2	96.3	96.3
70°	86.4	85.5	86.4	85.5	85.5	85.5	84.6	84.6
72.5°	74.7	73.8	73.8	72.9	73.8	72.9	72.9	72.0
75°	62.1	62.1	61.2	61.2	61.2	61.2	60.3	60.3
77.5°	50.4	50.4	49.5	49.5	49.5	48.6	48.6	47.7
80°	37.8	37.8	37.8	36.9	36.9	36.9	36.9	36.0
82.5°	26.1	26.1	26.1	25.2	25.2	24.3	24.3	23.4
85°	14.4	14.4	14.4	13.5	13.5	13.5	13.5	12.6
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
90°	5.4	6.3	5.4	6.3	7.2	7.2	7.2	8.1
92.5°	16.2	16.2	16.2	17.1	17.1	16.2	16.2	16.2
95°	36.0	36.0	36.0	36.0	36.0	35.1	35.1	35.1
97.5°	59.4	59.4	59.4	60.3	59.4	57.6	57.6	57.6
100°	71.1	72.9	73.8	74.7	75.6	76.5	76.5	76.5
102.5°	81.9	82.8	83.7	84.6	85.5	85.5	85.5	85.5
105°	91.8	92.7	92.7	93.6	96.3	98.1	99.0	99.0
107.5°	109.8	109.8	109.8	110.7	110.7	110.7	110.7	110.7
110°	139.5	135.0	134.1	130.5	131.4	130.5	130.5	130.5



TEST NUMBER: P303220

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	158.4	161.1	162.0	162.9	162.9	162.0	160.2	159.3
115°	172.8	175.5	177.3	177.3	180.0	181.8	181.8	181.8
117.5°	186.3	189.0	189.9	191.7	193.5	195.3	196.2	196.2
120°	200.7	203.4	203.4	205.2	206.1	207.9	208.8	208.8
122.5°	216.9	218.7	218.7	218.7	220.5	220.5	221.4	221.4
125°	241.2	239.4	238.5	237.6	237.6	236.7	237.6	236.7
127.5°	269.1	264.6	261.9	259.2	257.4	254.7	254.7	253.8
130°	303.3	297.9	291.6	288.9	284.4	281.7	279.9	278.1
132.5°	344.7	337.5	331.2	326.7	320.4	315.0	312.3	310.5
135°	389.7	378.0	370.8	368.1	360.9	354.6	352.8	351.0
137.5°	432.0	421.2	414.9	412.2	405.0	398.7	396.0	394.2
140°	473.4	462.6	455.4	454.5	447.3	441.9	440.1	438.3
142.5°	515.7	506.7	498.6	495.9	489.6	486.0	482.4	481.5
145°	557.1	547.2	540.0	538.2	531.9	527.4	524.7	522.9
147.5°	598.5	589.5	582.3	580.5	574.2	570.6	567.0	565.2
150°	638.1	627.3	622.8	621.0	614.7	612.0	608.4	606.6
152.5°	675.0	665.1	661.5	658.8	654.3	648.9	648.0	646.2
155°	708.3	699.3	696.6	693.9	689.4	686.7	685.8	684.9
157.5°	741.6	733.5	729.9	727.2	723.6	720.9	720.0	720.9
160°	774.0	765.9	763.2	761.4	756.0	754.2	754.2	754.2
162.5°	802.8	796.5	793.8	792.0	789.3	786.6	784.8	785.7
165°	828.9	823.5	821.7	819.0	816.3	815.4	814.5	814.5
167.5°	853.2	847.8	846.0	843.3	842.4	840.6	839.7	841.5
170°	876.6	871.2	870.3	867.6	865.8	864.9	863.1	865.8
172.5°	897.3	893.7	891.9	890.1	890.1	889.2	888.3	890.1
175°	916.2	913.5	911.7	909.0	909.9	909.0	909.0	910.8
177.5°	934.2	932.4	930.6	929.7	928.8	927.0	925.2	926.1
180°	948.6	948.6	948.6	948.6	948.6	948.6	948.6	948.6

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