

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: P303198

Luminaire Tested: **CTW-F-7525-20L940-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-20L940-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3736.3 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

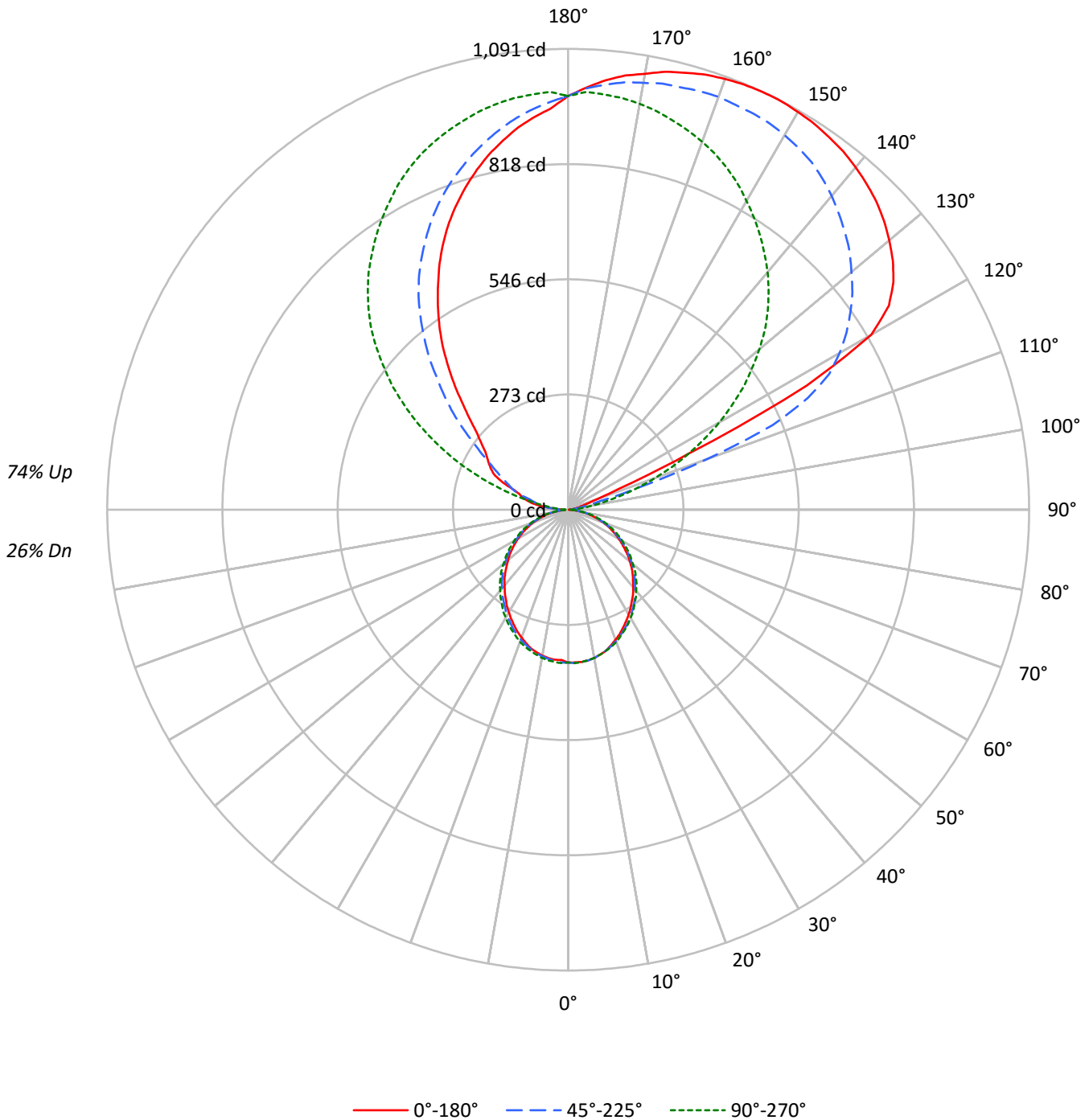
Input Watts (W): 29.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	76	73	61	59	57	45	43	42	30	29	28	22
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	22	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	19	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	23	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°	3894	3894	3894
5°	3909	3909	3851
10°	3895	3895	3836
15°	3851	3851	3791
20°	3753	3814	3691
25°	3656	3741	3592
30°	3557	3669	3490
35°	3453	3595	3382
40°	3364	3516	3288
45°	3288	3452	3206
50°	3195	3346	3105
55°	3074	3277	3040
60°	2984	3178	2945
65°	2888	3117	2842
70°	2776	3002	2719
75°	2545	2845	2545
80°	2232	2678	2232
85°	1556	2445	1778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	0.9
10°-20°	96.6	2.6
20°-30°	142.6	3.8
30°-40°	167.4	4.5
40°-50°	169.6	4.5
50°-60°	151.3	4.0
60°-70°	116.0	3.1
70°-80°	68.8	1.8
80°-90°	19.4	0.5
90°-100°	29.3	0.8
100°-110°	119.4	3.2
110°-120°	334.7	9.0
120°-130°	488.1	13.1
130°-140°	525.7	14.1
140°-150°	500.8	13.4
150°-160°	411.0	11.0
160°-170°	268.4	7.2
170°-180°	93.0	2.5
0°-30°	273.4	7.3
0°-40°	440.8	11.8
0°-60°	761.7	20.4
0°-90°	965.8	25.9
90°-120°	483.4	12.9
90°-150°	1998.0	53.5
90°-180°	2770.0	74.1
0°-180°	3736.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	362	362	362	362	362	
5°	362	362	362	360	356	34
15°	346	346	346	342	340	97
25°	308	313	315	310	302	142
35°	263	272	274	266	257	165
45°	216	221	227	220	211	166
55°	164	169	175	169	162	147
65°	113	117	122	117	112	112
75°	61	65	68	65	61	65
85°	13	16	20	16	14	15
90°	2	2	2	7	11	1
95°	7	9	22	40	40	8
105°	32	79	130	94	112	38
115°	317	626	315	167	191	375
125°	940	815	506	270	239	833
135°	1031	927	668	437	351	796
145°	1076	1004	792	617	531	675
155°	1091	1035	891	761	698	504
165°	1071	1035	954	871	833	304
175°	1021	1010	986	952	932	98
180°	979	979	979	979	979	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8
2.5°	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	363.6	363.6
5°	361.8	361.8	361.8	361.8	361.8	361.8	361.8	360.0	361.8	361.8	361.8
7.5°	360.0	360.0	360.0	360.0	360.0	360.0	358.2	358.2	358.2	360.0	360.0
10°	356.4	356.4	356.4	354.6	354.6	356.4	354.6	354.6	356.4	356.4	356.4
12.5°	351.0	351.0	351.0	351.0	351.0	351.0	351.0	349.2	351.0	352.8	351.0
15°	345.6	345.6	345.6	345.6	345.6	345.6	345.6	343.8	345.6	347.4	345.6
17.5°	336.6	336.6	336.6	336.6	338.4	338.4	338.4	336.6	338.4	340.2	338.4
20°	327.6	327.6	327.6	329.4	329.4	329.4	329.4	329.4	329.4	331.2	331.2
22.5°	318.6	318.6	318.6	318.6	320.4	320.4	320.4	318.6	320.4	322.2	322.2
25°	307.8	307.8	307.8	307.8	309.6	309.6	309.6	309.6	311.4	313.2	313.2
27.5°	297.0	297.0	297.0	298.8	300.6	300.6	300.6	300.6	300.6	302.4	304.2
30°	286.2	286.2	286.2	288.0	288.0	289.8	289.8	289.8	289.8	291.6	293.4
32.5°	275.4	275.4	275.4	277.2	277.2	277.2	279.0	279.0	279.0	280.8	282.6
35°	262.8	264.6	264.6	264.6	266.4	266.4	266.4	266.4	268.2	270.0	271.8
37.5°	252.0	252.0	252.0	252.0	253.8	253.8	253.8	255.6	255.6	257.4	259.2
40°	239.4	239.4	239.4	241.2	241.2	241.2	243.0	243.0	244.8	246.6	246.6
42.5°	226.8	226.8	226.8	228.6	228.6	228.6	230.4	232.2	232.2	234.0	234.0
45°	216.0	214.2	216.0	216.0	216.0	216.0	217.8	217.8	219.6	221.4	221.4
47.5°	203.4	201.6	203.4	203.4	203.4	203.4	205.2	205.2	207.0	207.0	208.8
50°	190.8	189.0	190.8	190.8	190.8	190.8	192.6	192.6	194.4	194.4	196.2
52.5°	178.2	178.2	178.2	178.2	178.2	178.2	178.2	180.0	181.8	181.8	183.6
55°	163.8	163.8	165.6	165.6	165.6	165.6	165.6	167.4	167.4	169.2	169.2
57.5°	151.2	151.2	151.2	153.0	153.0	153.0	153.0	154.8	154.8	156.6	156.6
60°	138.6	138.6	138.6	138.6	140.4	140.4	140.4	140.4	142.2	144.0	144.0
62.5°	126.0	126.0	126.0	126.0	127.8	127.8	126.0	127.8	127.8	129.6	129.6
65°	113.4	113.4	113.4	113.4	113.4	113.4	113.4	115.2	115.2	117.0	117.0
67.5°	100.8	99.0	100.8	100.8	100.8	100.8	100.8	102.6	102.6	102.6	104.4
70°	88.2	86.4	86.4	86.4	88.2	88.2	88.2	90.0	88.2	90.0	90.0
72.5°	73.8	73.8	73.8	73.8	73.8	75.6	75.6	75.6	75.6	77.4	77.4
75°	61.2	61.2	61.2	61.2	61.2	61.2	63.0	63.0	63.0	64.8	64.8
77.5°	48.6	48.6	48.6	48.6	48.6	48.6	50.4	50.4	50.4	50.4	52.2
80°	36.0	36.0	36.0	36.0	36.0	36.0	37.8	37.8	37.8	37.8	39.6
82.5°	23.4	23.4	23.4	25.2	23.4	25.2	25.2	25.2	25.2	25.2	27.0
85°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	14.4	14.4	16.2
87.5°	3.6	1.8	1.8	3.6	1.8	3.6	3.6	3.6	3.6	3.6	3.6
90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	9.0	9.0
97.5°	10.8	10.8	10.8	10.8	10.8	12.6	12.6	12.6	12.6	14.4	16.2
100°	16.2	16.2	16.2	16.2	18.0	18.0	18.0	19.8	19.8	23.4	25.2
102.5°	23.4	23.4	23.4	23.4	25.2	25.2	27.0	28.8	30.6	36.0	45.0
105°	32.4	32.4	32.4	34.2	36.0	36.0	37.8	41.4	48.6	59.4	79.2
107.5°	45.0	45.0	46.8	48.6	52.2	54.0	57.6	70.2	86.4	115.2	172.8
110°	68.4	68.4	72.0	77.4	88.2	95.4	108.0	142.2	192.6	266.4	345.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	129.6	131.4	145.8	156.6	192.6	219.6	257.4	333.0	410.4	477.0	523.8
115°	316.8	322.2	358.2	378.0	459.0	475.2	516.6	588.6	622.8	631.8	626.4
117.5°	637.2	639.0	664.2	680.4	711.0	721.8	725.4	738.0	730.8	716.4	696.6
120°	828.0	824.4	828.0	822.6	824.4	820.8	815.4	804.6	786.6	766.8	741.6
122.5°	900.0	898.2	894.6	883.8	878.4	871.2	862.2	849.6	831.6	806.4	781.2
125°	939.6	937.8	934.2	923.4	914.4	907.2	900.0	885.6	864.0	842.4	815.4
127.5°	968.4	966.6	961.2	954.0	943.2	936.0	928.8	914.4	892.8	871.2	847.8
130°	991.8	990.0	984.6	979.2	968.4	963.0	955.8	941.4	919.8	898.2	874.8
132.5°	1013.4	1011.6	1008.0	1002.6	991.8	984.6	979.2	966.6	943.2	921.6	903.6
135°	1031.4	1027.8	1027.8	1020.6	1009.8	1004.4	999.0	986.4	964.8	945.0	927.0
137.5°	1045.8	1044.0	1040.4	1035.0	1026.0	1020.6	1015.2	1002.6	984.6	964.8	948.6
140°	1058.4	1056.6	1054.8	1049.4	1040.4	1035.0	1031.4	1017.0	1000.8	984.6	970.2
142.5°	1069.2	1067.4	1063.8	1060.2	1051.2	1047.6	1044.0	1031.4	1013.4	1000.8	988.2
145°	1076.4	1076.4	1072.8	1069.2	1062.0	1058.4	1054.8	1040.4	1026.0	1015.2	1004.4
147.5°	1083.6	1083.6	1078.2	1076.4	1071.0	1067.4	1063.8	1049.4	1035.0	1026.0	1015.2
150°	1087.2	1087.2	1083.6	1080.0	1074.6	1072.8	1069.2	1056.6	1044.0	1036.8	1024.2
152.5°	1090.8	1090.8	1087.2	1083.6	1078.2	1076.4	1071.0	1062.0	1049.4	1042.2	1031.4
155°	1090.8	1092.6	1087.2	1083.6	1080.0	1078.2	1072.8	1062.0	1053.0	1047.6	1035.0
157.5°	1089.0	1089.0	1087.2	1083.6	1078.2	1076.4	1071.0	1060.2	1053.0	1051.2	1036.8
160°	1085.4	1085.4	1083.6	1078.2	1076.4	1072.8	1067.4	1060.2	1054.8	1051.2	1040.4
162.5°	1080.0	1078.2	1076.4	1072.8	1071.0	1069.2	1065.6	1056.6	1051.2	1049.4	1038.6
165°	1071.0	1069.2	1067.4	1065.6	1063.8	1062.0	1058.4	1049.4	1047.6	1045.8	1035.0
167.5°	1062.0	1058.4	1056.6	1053.0	1053.0	1049.4	1047.6	1042.2	1040.4	1040.4	1033.2
170°	1047.6	1045.8	1044.0	1042.2	1042.2	1040.4	1038.6	1031.4	1031.4	1033.2	1026.0
172.5°	1036.8	1033.2	1033.2	1031.4	1031.4	1029.6	1027.8	1022.4	1022.4	1024.2	1020.6
175°	1020.6	1018.8	1017.0	1015.2	1015.2	1015.2	1013.4	1009.8	1011.6	1013.4	1009.8
177.5°	1000.8	995.4	997.2	997.2	1000.8	999.0	999.0	995.4	997.2	1000.8	999.0
180°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8
2.5°	360.0	360.0	358.2	360.0	360.0	360.0	361.8	361.8	363.6	363.6	363.6
5°	360.0	358.2	358.2	358.2	360.0	360.0	360.0	361.8	361.8	361.8	361.8
7.5°	356.4	356.4	356.4	356.4	356.4	358.2	358.2	358.2	360.0	360.0	358.2
10°	354.6	352.8	352.8	352.8	354.6	354.6	354.6	356.4	356.4	356.4	354.6
12.5°	349.2	349.2	347.4	349.2	349.2	349.2	349.2	351.0	351.0	351.0	351.0
15°	343.8	343.8	342.0	343.8	343.8	343.8	343.8	345.6	347.4	345.6	345.6
17.5°	336.6	336.6	336.6	336.6	336.6	338.4	338.4	340.2	340.2	340.2	338.4
20°	329.4	329.4	329.4	329.4	329.4	329.4	331.2	331.2	333.0	333.0	331.2
22.5°	320.4	320.4	320.4	320.4	322.2	322.2	322.2	324.0	324.0	324.0	322.2
25°	313.2	311.4	311.4	311.4	313.2	313.2	313.2	315.0	315.0	315.0	315.0
27.5°	302.4	302.4	300.6	302.4	302.4	304.2	304.2	306.0	306.0	306.0	304.2
30°	293.4	291.6	291.6	291.6	293.4	293.4	295.2	295.2	297.0	295.2	295.2
32.5°	282.6	282.6	280.8	282.6	282.6	282.6	284.4	284.4	286.2	286.2	284.4
35°	271.8	270.0	270.0	271.8	271.8	271.8	273.6	273.6	275.4	273.6	273.6
37.5°	261.0	259.2	259.2	259.2	259.2	261.0	262.8	262.8	262.8	262.8	262.8
40°	248.4	248.4	248.4	248.4	248.4	248.4	250.2	250.2	252.0	250.2	250.2
42.5°	237.6	235.8	235.8	235.8	235.8	237.6	237.6	239.4	239.4	239.4	237.6
45°	225.0	225.0	225.0	223.2	223.2	225.0	226.8	226.8	226.8	226.8	225.0
47.5°	212.4	210.6	212.4	212.4	210.6	212.4	214.2	214.2	214.2	214.2	212.4
50°	198.0	198.0	198.0	199.8	198.0	199.8	201.6	201.6	201.6	199.8	199.8
52.5°	183.6	185.4	187.2	187.2	185.4	187.2	187.2	187.2	187.2	187.2	187.2
55°	171.0	172.8	172.8	172.8	172.8	174.6	174.6	174.6	174.6	174.6	174.6
57.5°	158.4	158.4	160.2	160.2	160.2	160.2	160.2	162.0	160.2	160.2	160.2
60°	144.0	145.8	147.6	147.6	147.6	147.6	147.6	149.4	147.6	147.6	147.6
62.5°	131.4	131.4	133.2	135.0	133.2	135.0	135.0	135.0	135.0	135.0	135.0
65°	118.8	118.8	120.6	120.6	120.6	120.6	120.6	122.4	120.6	122.4	122.4
67.5°	104.4	106.2	106.2	108.0	108.0	108.0	108.0	109.8	109.8	108.0	108.0
70°	91.8	91.8	93.6	93.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4
72.5°	77.4	79.2	79.2	81.0	81.0	81.0	81.0	82.8	82.8	82.8	82.8
75°	64.8	66.6	66.6	68.4	66.6	68.4	68.4	68.4	70.2	68.4	70.2
77.5°	52.2	54.0	54.0	54.0	55.8	55.8	55.8	55.8	55.8	55.8	55.8
80°	39.6	41.4	41.4	41.4	43.2	43.2	43.2	43.2	43.2	43.2	43.2
82.5°	27.0	28.8	28.8	28.8	28.8	30.6	30.6	30.6	30.6	30.6	30.6
85°	16.2	16.2	16.2	18.0	18.0	18.0	18.0	19.8	19.8	19.8	19.8
87.5°	5.4	5.4	5.4	7.2	7.2	7.2	7.2	7.2	7.2	9.0	9.0
90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
92.5°	5.4	5.4	5.4	5.4	7.2	7.2	10.8	10.8	9.0	9.0	9.0
95°	10.8	10.8	14.4	18.0	21.6	25.2	28.8	28.8	25.2	21.6	19.8
97.5°	18.0	23.4	30.6	41.4	46.8	54.0	59.4	54.0	46.8	39.6	36.0
100°	32.4	43.2	61.2	82.8	91.8	99.0	100.8	90.0	75.6	61.2	55.8
102.5°	61.2	82.8	120.6	149.4	156.6	162.0	153.0	133.2	113.4	91.8	81.0
105°	117.0	165.6	217.8	232.2	235.8	232.2	212.4	183.6	156.6	129.6	113.4
107.5°	239.4	295.2	327.6	320.4	311.4	300.6	271.8	237.6	205.2	171.0	151.2
110°	397.8	421.2	419.4	394.2	376.2	360.0	329.4	291.6	253.8	217.8	192.6



TEST NUMBER: P303198

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	529.2	516.6	491.4	455.4	435.6	415.8	383.4	345.6	304.2	266.4	239.4
115°	608.4	581.4	547.2	514.8	495.0	473.4	435.6	396.0	354.6	315.0	286.2
117.5°	664.2	633.6	601.2	565.2	545.4	525.6	489.6	444.6	403.2	363.6	333.0
120°	709.2	676.8	642.6	610.2	592.2	574.2	536.4	495.0	450.0	412.2	378.0
122.5°	750.6	718.2	687.6	653.4	633.6	617.4	577.8	538.2	498.6	459.0	423.0
125°	788.4	759.6	723.6	691.2	675.0	657.0	619.2	579.6	543.6	505.8	471.6
127.5°	822.6	793.8	761.4	725.4	709.2	693.0	653.4	617.4	585.0	547.2	514.8
130°	853.2	824.4	793.8	759.6	745.2	727.2	691.2	655.2	624.6	590.4	556.2
132.5°	882.0	853.2	822.6	790.2	774.0	757.8	727.2	691.2	662.4	631.8	597.6
135°	907.2	878.4	847.8	815.4	801.0	786.6	756.0	725.4	694.8	667.8	635.4
137.5°	928.8	901.8	871.2	840.6	828.0	813.6	784.8	756.0	729.0	702.0	671.4
140°	948.6	921.6	891.0	862.2	849.6	838.8	810.0	784.8	761.4	734.4	705.6
142.5°	966.6	937.8	909.0	882.0	871.2	860.4	835.2	811.8	790.2	763.2	738.0
145°	981.0	952.2	925.2	900.0	892.8	880.2	856.8	837.0	815.4	792.0	768.6
147.5°	995.4	968.4	941.4	918.0	910.8	900.0	880.2	860.4	840.6	819.0	797.4
150°	1004.4	979.2	955.8	936.0	928.8	918.0	898.2	882.0	865.8	844.2	822.6
152.5°	1011.6	988.2	966.6	950.4	945.0	936.0	918.0	905.4	887.4	869.4	849.6
155°	1017.0	995.4	977.4	963.0	957.6	952.2	934.2	923.4	907.2	891.0	873.0
157.5°	1020.6	1000.8	984.6	973.8	968.4	963.0	946.8	937.8	925.2	910.8	892.8
160°	1022.4	1004.4	991.8	982.8	977.4	972.0	961.2	950.4	937.8	927.0	912.6
162.5°	1022.4	1008.0	995.4	988.2	984.6	981.0	970.2	961.2	952.2	941.4	928.8
165°	1022.4	1009.8	999.0	993.6	990.0	988.2	977.4	972.0	963.0	954.0	943.2
167.5°	1018.8	1008.0	1000.8	997.2	993.6	991.8	984.6	977.4	972.0	966.6	955.8
170°	1015.2	1006.2	999.0	997.2	995.4	993.6	988.2	984.6	981.0	975.6	966.6
172.5°	1009.8	1002.6	997.2	995.4	995.4	993.6	990.0	988.2	986.4	982.8	975.6
175°	1000.8	995.4	990.0	991.8	991.8	991.8	988.2	990.0	988.2	986.4	981.0
177.5°	990.0	986.4	984.6	986.4	986.4	986.4	986.4	988.2	990.0	990.0	984.6
180°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2



TEST NUMBER: P303198

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8
2.5°	360.0	358.2	358.2	358.2	360.0	360.0	360.0	360.0	361.8	361.8	361.8
5°	358.2	356.4	356.4	356.4	358.2	358.2	358.2	358.2	360.0	360.0	360.0
7.5°	356.4	354.6	354.6	354.6	354.6	356.4	356.4	354.6	356.4	358.2	356.4
10°	352.8	351.0	351.0	351.0	351.0	352.8	352.8	351.0	352.8	352.8	352.8
12.5°	347.4	345.6	345.6	345.6	347.4	347.4	347.4	345.6	347.4	349.2	347.4
15°	342.0	340.2	340.2	340.2	340.2	342.0	342.0	340.2	342.0	342.0	340.2
17.5°	336.6	334.8	333.0	333.0	334.8	334.8	334.8	333.0	334.8	334.8	333.0
20°	327.6	325.8	325.8	325.8	327.6	327.6	325.8	325.8	327.6	325.8	325.8
22.5°	320.4	318.6	318.6	318.6	318.6	318.6	318.6	316.8	318.6	316.8	316.8
25°	311.4	309.6	309.6	309.6	309.6	309.6	307.8	307.8	309.6	307.8	306.0
27.5°	302.4	300.6	300.6	300.6	300.6	300.6	298.8	298.8	298.8	297.0	297.0
30°	291.6	291.6	289.8	289.8	289.8	289.8	288.0	288.0	289.8	288.0	286.2
32.5°	282.6	280.8	280.8	280.8	280.8	279.0	277.2	277.2	277.2	277.2	275.4
35°	270.0	270.0	270.0	270.0	268.2	268.2	266.4	268.2	266.4	264.6	264.6
37.5°	259.2	259.2	257.4	257.4	257.4	257.4	255.6	257.4	255.6	253.8	252.0
40°	248.4	246.6	246.6	246.6	246.6	244.8	244.8	244.8	243.0	241.2	241.2
42.5°	235.8	235.8	234.0	235.8	234.0	234.0	232.2	234.0	232.2	230.4	228.6
45°	223.2	223.2	223.2	223.2	223.2	221.4	221.4	221.4	219.6	217.8	216.0
47.5°	210.6	210.6	210.6	212.4	210.6	208.8	208.8	208.8	207.0	205.2	203.4
50°	198.0	198.0	198.0	198.0	198.0	196.2	196.2	194.4	194.4	192.6	190.8
52.5°	185.4	185.4	185.4	187.2	185.4	183.6	183.6	183.6	181.8	180.0	178.2
55°	172.8	172.8	174.6	172.8	172.8	172.8	171.0	171.0	169.2	167.4	165.6
57.5°	160.2	160.2	160.2	160.2	160.2	158.4	158.4	158.4	156.6	154.8	153.0
60°	147.6	147.6	147.6	147.6	145.8	145.8	145.8	144.0	142.2	140.4	140.4
62.5°	133.2	135.0	135.0	133.2	133.2	133.2	131.4	131.4	129.6	129.6	127.8
65°	120.6	122.4	120.6	120.6	120.6	120.6	118.8	118.8	117.0	115.2	115.2
67.5°	108.0	108.0	108.0	108.0	108.0	106.2	106.2	104.4	104.4	102.6	102.6
70°	95.4	95.4	93.6	93.6	95.4	93.6	91.8	91.8	91.8	90.0	90.0
72.5°	82.8	82.8	81.0	81.0	81.0	81.0	79.2	79.2	77.4	77.4	75.6
75°	68.4	68.4	68.4	68.4	68.4	66.6	66.6	66.6	64.8	64.8	63.0
77.5°	55.8	55.8	55.8	55.8	55.8	54.0	54.0	54.0	54.0	52.2	52.2
80°	43.2	43.2	43.2	43.2	43.2	41.4	41.4	41.4	39.6	39.6	37.8
82.5°	30.6	30.6	30.6	30.6	30.6	28.8	28.8	28.8	27.0	27.0	27.0
85°	19.8	18.0	18.0	18.0	18.0	18.0	16.2	16.2	16.2	16.2	14.4
87.5°	9.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	5.4	7.2
90°	1.8	3.6	3.6	5.4	5.4	5.4	5.4	7.2	7.2	7.2	7.2
92.5°	14.4	18.0	18.0	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
95°	23.4	27.0	34.2	36.0	37.8	41.4	41.4	41.4	39.6	39.6	39.6
97.5°	34.2	39.6	39.6	43.2	45.0	52.2	57.6	59.4	63.0	63.0	63.0
100°	52.2	50.4	55.8	59.4	59.4	59.4	63.0	70.2	73.8	77.4	79.2
102.5°	75.6	68.4	68.4	70.2	73.8	81.0	75.6	77.4	81.0	84.6	90.0
105°	100.8	93.6	88.2	86.4	88.2	93.6	99.0	97.2	93.6	95.4	99.0
107.5°	133.2	120.6	109.8	108.0	108.0	108.0	113.4	118.8	122.4	118.8	115.2
110°	171.0	151.2	140.4	131.4	129.6	127.8	127.8	131.4	138.6	144.0	145.8



TEST NUMBER: P303198

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	212.4	189.0	171.0	162.0	156.6	149.4	147.6	147.6	151.2	158.4	163.8
115°	255.6	230.4	207.0	198.0	189.0	176.4	171.0	167.4	167.4	171.0	176.4
117.5°	300.6	273.6	248.4	234.0	226.8	208.8	196.2	189.0	187.2	187.2	190.8
120°	345.6	320.4	291.6	275.4	266.4	246.6	228.6	214.2	208.8	207.0	205.2
122.5°	390.6	363.6	336.6	320.4	309.6	286.2	268.2	246.6	237.6	228.6	226.8
125°	435.6	408.6	379.8	367.2	352.8	327.6	307.8	286.2	270.0	257.4	248.4
127.5°	482.4	451.8	423.0	414.0	397.8	372.6	351.0	329.4	311.4	293.4	280.8
130°	523.8	498.6	471.6	457.2	442.8	417.6	392.4	370.8	354.6	336.6	320.4
132.5°	565.2	540.0	514.8	505.8	491.4	462.6	439.2	414.0	396.0	378.0	363.6
135°	603.0	577.8	554.4	545.4	532.8	507.6	486.0	460.8	437.4	421.2	406.8
137.5°	639.0	615.6	592.2	583.2	572.4	549.0	529.2	507.6	486.0	469.8	448.2
140°	675.0	651.6	630.0	621.0	610.2	588.6	567.0	550.8	529.2	513.0	496.8
142.5°	709.2	685.8	664.2	655.2	648.0	626.4	606.6	592.2	574.2	556.2	541.8
145°	741.6	716.4	698.4	689.4	682.2	662.4	644.4	631.8	617.4	599.4	585.0
147.5°	770.4	747.0	729.0	723.6	716.4	700.2	682.2	667.8	657.0	640.8	626.4
150°	797.4	775.8	759.6	754.2	748.8	730.8	714.6	702.0	693.0	678.6	664.2
152.5°	826.2	804.6	790.2	784.8	777.6	763.2	748.8	734.4	727.2	716.4	702.0
155°	849.6	831.6	817.2	811.8	804.6	793.8	777.6	766.8	761.4	748.8	736.2
157.5°	873.0	855.0	842.4	837.0	831.6	820.8	806.4	795.6	792.0	781.2	770.4
160°	892.8	876.6	864.0	858.6	855.0	846.0	833.4	822.6	820.8	813.6	802.8
162.5°	910.8	894.6	885.6	880.2	876.6	871.2	858.6	847.8	846.0	840.6	831.6
165°	925.2	910.8	903.6	900.0	898.2	892.8	882.0	871.2	871.2	867.6	856.8
167.5°	941.4	927.0	919.8	918.0	916.2	910.8	903.6	894.6	894.6	891.0	882.0
170°	954.0	941.4	936.0	934.2	932.4	928.8	923.4	914.4	916.2	912.6	905.4
172.5°	963.0	954.0	950.4	946.8	946.8	945.0	941.4	934.2	936.0	934.2	927.0
175°	970.2	961.2	961.2	957.6	959.4	959.4	954.0	948.6	952.2	954.0	946.8
177.5°	975.6	968.4	968.4	968.4	970.2	970.2	968.4	963.0	966.6	970.2	963.0
180°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2



TEST NUMBER: P303198

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8
2.5°	361.8	361.8	361.8	360.0	361.8	358.2	356.4	356.4
5°	358.2	358.2	358.2	358.2	358.2	358.2	356.4	356.4
7.5°	356.4	356.4	354.6	354.6	356.4	356.4	354.6	354.6
10°	351.0	351.0	351.0	351.0	352.8	351.0	351.0	351.0
12.5°	347.4	345.6	345.6	345.6	347.4	345.6	345.6	345.6
15°	340.2	340.2	340.2	340.2	342.0	340.2	340.2	340.2
17.5°	333.0	333.0	333.0	333.0	334.8	333.0	331.2	331.2
20°	325.8	324.0	324.0	324.0	324.0	324.0	322.2	322.2
22.5°	315.0	315.0	315.0	315.0	315.0	313.2	313.2	313.2
25°	306.0	304.2	304.2	306.0	304.2	304.2	302.4	302.4
27.5°	295.2	295.2	295.2	295.2	295.2	293.4	291.6	291.6
30°	286.2	284.4	284.4	284.4	284.4	282.6	280.8	280.8
32.5°	275.4	273.6	273.6	273.6	273.6	270.0	270.0	270.0
35°	262.8	262.8	262.8	262.8	261.0	259.2	259.2	257.4
37.5°	252.0	250.2	250.2	250.2	248.4	248.4	246.6	246.6
40°	239.4	239.4	239.4	239.4	237.6	235.8	234.0	234.0
42.5°	226.8	226.8	226.8	226.8	225.0	223.2	223.2	223.2
45°	216.0	214.2	214.2	214.2	212.4	212.4	210.6	210.6
47.5°	203.4	203.4	201.6	201.6	201.6	199.8	198.0	198.0
50°	190.8	190.8	190.8	189.0	187.2	187.2	187.2	185.4
52.5°	178.2	178.2	178.2	176.4	176.4	174.6	174.6	174.6
55°	165.6	165.6	165.6	163.8	163.8	162.0	162.0	162.0
57.5°	153.0	153.0	153.0	151.2	151.2	149.4	149.4	149.4
60°	140.4	140.4	138.6	138.6	138.6	136.8	136.8	136.8
62.5°	127.8	126.0	126.0	126.0	126.0	124.2	124.2	124.2
65°	115.2	113.4	113.4	113.4	113.4	111.6	111.6	111.6
67.5°	102.6	100.8	100.8	100.8	100.8	99.0	99.0	99.0
70°	88.2	88.2	88.2	88.2	88.2	86.4	86.4	86.4
72.5°	75.6	75.6	75.6	75.6	73.8	73.8	73.8	73.8
75°	63.0	63.0	63.0	63.0	61.2	61.2	61.2	61.2
77.5°	50.4	50.4	50.4	50.4	50.4	48.6	48.6	50.4
80°	37.8	37.8	37.8	37.8	37.8	36.0	36.0	36.0
82.5°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	23.4
85°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
87.5°	5.4	7.2	7.2	7.2	7.2	7.2	7.2	7.2
90°	7.2	9.0	9.0	9.0	9.0	10.8	10.8	10.8
92.5°	19.8	21.6	21.6	19.8	21.6	21.6	21.6	21.6
95°	37.8	39.6	39.6	37.8	39.6	39.6	39.6	39.6
97.5°	63.0	63.0	63.0	61.2	63.0	61.2	61.2	61.2
100°	81.0	81.0	82.8	82.8	84.6	84.6	82.8	84.6
102.5°	91.8	93.6	95.4	95.4	97.2	97.2	99.0	99.0
105°	100.8	102.6	104.4	104.4	108.0	109.8	111.6	111.6
107.5°	115.2	115.2	117.0	117.0	118.8	118.8	118.8	120.6
110°	144.0	138.6	136.8	136.8	135.0	135.0	135.0	135.0



TEST NUMBER: P303198

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	167.4	167.4	169.2	169.2	169.2	167.4	163.8	165.6
115°	181.8	185.4	185.4	187.2	187.2	189.0	189.0	190.8
117.5°	192.6	196.2	198.0	199.8	203.4	205.2	205.2	205.2
120°	207.0	208.8	210.6	210.6	212.4	214.2	216.0	216.0
122.5°	225.0	223.2	225.0	225.0	225.0	226.8	226.8	226.8
125°	244.8	243.0	241.2	241.2	239.4	239.4	239.4	239.4
127.5°	271.8	266.4	264.6	262.8	259.2	259.2	257.4	259.2
130°	307.8	298.8	295.2	291.6	284.4	284.4	280.8	280.8
132.5°	349.2	338.4	333.0	329.4	320.4	316.8	313.2	313.2
135°	394.2	383.4	376.2	372.6	361.8	358.2	354.6	351.0
137.5°	437.4	426.6	421.2	419.4	408.6	405.0	397.8	396.0
140°	484.2	473.4	468.0	464.4	451.8	446.4	442.8	441.0
142.5°	529.2	516.6	511.2	509.4	500.4	495.0	489.6	487.8
145°	572.4	559.8	554.4	554.4	543.6	540.0	534.6	531.0
147.5°	615.6	603.0	597.6	597.6	588.6	581.4	577.8	574.2
150°	655.2	644.4	639.0	639.0	630.0	622.8	617.4	615.6
152.5°	691.2	682.2	678.6	678.6	671.4	664.2	660.6	658.8
155°	727.2	720.0	714.6	714.6	709.2	702.0	700.2	698.4
157.5°	763.2	756.0	750.6	752.4	745.2	739.8	736.2	736.2
160°	795.6	790.2	784.8	784.8	781.2	775.8	768.6	770.4
162.5°	828.0	820.8	817.2	817.2	815.4	808.2	801.0	802.8
165°	851.4	847.8	846.0	846.0	844.2	838.8	833.4	833.4
167.5°	876.6	873.0	871.2	871.2	869.4	865.8	860.4	862.2
170°	901.8	898.2	896.4	894.6	894.6	891.0	887.4	887.4
172.5°	925.2	921.6	919.8	919.8	921.6	918.0	912.6	912.6
175°	945.0	943.2	939.6	939.6	939.6	936.0	932.4	932.4
177.5°	963.0	961.2	961.2	959.4	961.2	955.8	950.4	950.4
180°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2

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