

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: P303197

Luminaire Tested: **CTW-F-7525-20L935-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303197
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-7525-20L935-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

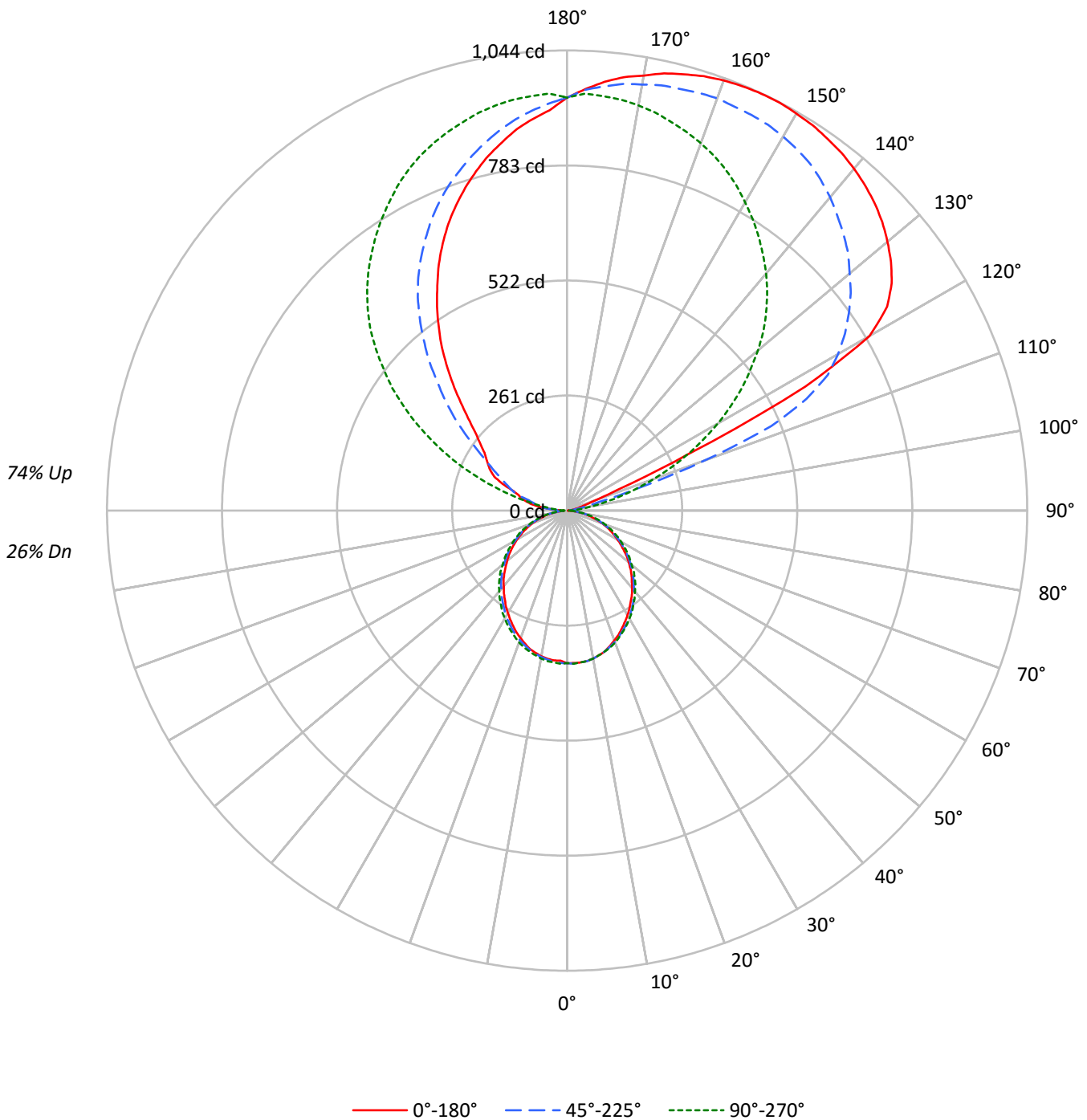
Lumens per Lamp: N/A
Luminaire Lumens: 3574.4 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	3725	3725	3725
5°	3740	3740	3685
10°	3727	3727	3670
15°	3684	3684	3627
20°	3590	3649	3530
25°	3498	3580	3436
30°	3403	3510	3338
35°	3303	3439	3235
40°	3218	3364	3146
45°	3145	3303	3067
50°	3056	3200	2971
55°	2941	3134	2909
60°	2855	3040	2818
65°	2763	2982	2720
70°	2656	2873	2603
75°	2433	2720	2433
80°	2132	2560	2132
85°	1494	2334	1704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	0.9
10°-20°	92.4	2.6
20°-30°	136.5	3.8
30°-40°	160.1	4.5
40°-50°	162.3	4.5
50°-60°	144.7	4.0
60°-70°	111.0	3.1
70°-80°	65.8	1.8
80°-90°	18.5	0.5
90°-100°	28.1	0.8
100°-110°	114.3	3.2
110°-120°	320.2	9.0
120°-130°	466.9	13.1
130°-140°	502.9	14.1
140°-150°	479.1	13.4
150°-160°	393.2	11.0
160°-170°	256.8	7.2
170°-180°	89.0	2.5
0°-30°	261.6	7.3
0°-40°	421.7	11.8
0°-60°	728.7	20.4
0°-90°	924.0	25.9
90°-120°	462.5	12.9
90°-150°	1911.4	53.5
90°-180°	2650.0	74.1
0°-180°	3574.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	346	346	346	346	346	
5°	346	346	346	344	341	33
15°	331	331	331	327	326	93
25°	294	300	301	296	289	136
35°	251	260	262	255	246	158
45°	207	212	217	210	202	159
55°	157	162	167	162	155	141
65°	108	112	117	112	107	107
75°	58	62	65	62	58	62
85°	12	16	19	16	14	15
90°	2	2	2	7	10	1
95°	7	9	21	38	38	7
105°	31	76	124	90	107	36
115°	303	599	301	160	182	358
125°	899	780	484	258	229	796
135°	987	887	639	418	336	762
145°	1030	961	758	591	508	646
155°	1044	990	852	728	668	482
165°	1025	990	913	833	797	291
175°	976	966	944	911	892	94
180°	937	937	937	937	937	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
2.5°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	347.8	347.8
5°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	344.4	346.1	346.1	346.1
7.5°	344.4	344.4	344.4	344.4	344.4	344.4	342.7	342.7	342.7	344.4	344.4
10°	341.0	341.0	341.0	339.2	339.2	341.0	339.2	339.2	341.0	341.0	341.0
12.5°	335.8	335.8	335.8	335.8	335.8	335.8	335.8	334.1	335.8	337.5	335.8
15°	330.6	330.6	330.6	330.6	330.6	330.6	330.6	328.9	330.6	332.3	330.6
17.5°	322.0	322.0	322.0	322.0	323.7	323.7	323.7	322.0	323.7	325.5	323.7
20°	313.4	313.4	313.4	315.1	315.1	315.1	315.1	315.1	315.1	316.8	316.8
22.5°	304.8	304.8	304.8	304.8	306.5	306.5	306.5	304.8	306.5	308.2	308.2
25°	294.5	294.5	294.5	294.5	296.2	296.2	296.2	296.2	297.9	299.6	299.6
27.5°	284.1	284.1	284.1	285.9	287.6	287.6	287.6	287.6	287.6	289.3	291.0
30°	273.8	273.8	273.8	275.5	275.5	277.2	277.2	277.2	277.2	279.0	280.7
32.5°	263.5	263.5	263.5	265.2	265.2	265.2	266.9	266.9	266.9	268.6	270.4
35°	251.4	253.1	253.1	253.1	254.9	254.9	254.9	254.9	256.6	258.3	260.0
37.5°	241.1	241.1	241.1	241.1	242.8	242.8	242.8	244.5	244.5	246.2	248.0
40°	229.0	229.0	229.0	230.7	230.7	230.7	232.5	232.5	234.2	235.9	235.9
42.5°	217.0	217.0	217.0	218.7	218.7	218.7	220.4	222.1	222.1	223.9	223.9
45°	206.6	204.9	206.6	206.6	206.6	206.6	208.4	208.4	210.1	211.8	211.8
47.5°	194.6	192.9	194.6	194.6	194.6	194.6	196.3	196.3	198.0	198.0	199.8
50°	182.5	180.8	182.5	182.5	182.5	182.5	184.3	184.3	186.0	186.0	187.7
52.5°	170.5	170.5	170.5	170.5	170.5	170.5	170.5	172.2	173.9	173.9	175.6
55°	156.7	156.7	158.4	158.4	158.4	158.4	158.4	160.1	160.1	161.9	161.9
57.5°	144.6	144.6	144.6	146.4	146.4	146.4	146.4	148.1	148.1	149.8	149.8
60°	132.6	132.6	132.6	132.6	134.3	134.3	134.3	134.3	136.0	137.8	137.8
62.5°	120.5	120.5	120.5	120.5	122.3	122.3	120.5	122.3	122.3	124.0	124.0
65°	108.5	108.5	108.5	108.5	108.5	108.5	108.5	110.2	110.2	111.9	111.9
67.5°	96.4	94.7	96.4	96.4	96.4	96.4	96.4	98.2	98.2	98.2	99.9
70°	84.4	82.7	82.7	82.7	84.4	84.4	84.4	86.1	84.4	86.1	86.1
72.5°	70.6	70.6	70.6	70.6	70.6	72.3	72.3	72.3	72.3	74.0	74.0
75°	58.5	58.5	58.5	58.5	58.5	58.5	60.3	60.3	60.3	62.0	62.0
77.5°	46.5	46.5	46.5	46.5	46.5	46.5	48.2	48.2	48.2	48.2	49.9
80°	34.4	34.4	34.4	34.4	34.4	34.4	36.2	36.2	36.2	36.2	37.9
82.5°	22.4	22.4	22.4	24.1	22.4	24.1	24.1	24.1	24.1	24.1	25.8
85°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.8	13.8	15.5
87.5°	3.4	1.7	1.7	3.4	1.7	3.4	3.4	3.4	3.4	3.4	3.4
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
95°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6
97.5°	10.3	10.3	10.3	10.3	10.3	12.1	12.1	12.1	12.1	13.8	15.5
100°	15.5	15.5	15.5	15.5	17.2	17.2	17.2	18.9	18.9	22.4	24.1
102.5°	22.4	22.4	22.4	22.4	24.1	24.1	25.8	27.6	29.3	34.4	43.1
105°	31.0	31.0	31.0	32.7	34.4	34.4	36.2	39.6	46.5	56.8	75.8
107.5°	43.1	43.1	44.8	46.5	49.9	51.7	55.1	67.2	82.7	110.2	165.3
110°	65.4	65.4	68.9	74.0	84.4	91.3	103.3	136.0	184.3	254.9	330.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	124.0	125.7	139.5	149.8	184.3	210.1	246.2	318.6	392.6	456.3	501.1
115°	303.1	308.2	342.7	361.6	439.1	454.6	494.2	563.1	595.8	604.4	599.3
117.5°	609.6	611.3	635.4	650.9	680.2	690.5	694.0	706.0	699.1	685.4	666.4
120°	792.1	788.7	792.1	787.0	788.7	785.2	780.1	769.7	752.5	733.6	709.5
122.5°	861.0	859.3	855.8	845.5	840.3	833.4	824.8	812.8	795.6	771.5	747.3
125°	898.9	897.2	893.7	883.4	874.8	867.9	861.0	847.2	826.6	805.9	780.1
127.5°	926.4	924.7	919.5	912.7	902.3	895.4	888.6	874.8	854.1	833.4	811.1
130°	948.8	947.1	941.9	936.8	926.4	921.3	914.4	900.6	879.9	859.3	836.9
132.5°	969.5	967.8	964.3	959.2	948.8	941.9	936.8	924.7	902.3	881.7	864.4
135°	986.7	983.3	983.3	976.4	966.0	960.9	955.7	943.7	923.0	904.1	886.8
137.5°	1000.5	998.8	995.3	990.2	981.5	976.4	971.2	959.2	941.9	923.0	907.5
140°	1012.5	1010.8	1009.1	1003.9	995.3	990.2	986.7	972.9	957.4	941.9	928.2
142.5°	1022.9	1021.1	1017.7	1014.3	1005.6	1002.2	998.8	986.7	969.5	957.4	945.4
145°	1029.8	1029.8	1026.3	1022.9	1016.0	1012.5	1009.1	995.3	981.5	971.2	960.9
147.5°	1036.6	1036.6	1031.5	1029.8	1024.6	1021.1	1017.7	1003.9	990.2	981.5	971.2
150°	1040.1	1040.1	1036.6	1033.2	1028.0	1026.3	1022.9	1010.8	998.8	991.9	979.8
152.5°	1043.5	1043.5	1040.1	1036.6	1031.5	1029.8	1024.6	1016.0	1003.9	997.0	986.7
155°	1043.5	1045.3	1040.1	1036.6	1033.2	1031.5	1026.3	1016.0	1007.4	1002.2	990.2
157.5°	1041.8	1041.8	1040.1	1036.6	1031.5	1029.8	1024.6	1014.3	1007.4	1005.6	991.9
160°	1038.4	1038.4	1036.6	1031.5	1029.8	1026.3	1021.1	1014.3	1009.1	1005.6	995.3
162.5°	1033.2	1031.5	1029.8	1026.3	1024.6	1022.9	1019.4	1010.8	1005.6	1003.9	993.6
165°	1024.6	1022.9	1021.1	1019.4	1017.7	1016.0	1012.5	1003.9	1002.2	1000.5	990.2
167.5°	1016.0	1012.5	1010.8	1007.4	1007.4	1003.9	1002.2	997.0	995.3	995.3	988.4
170°	1002.2	1000.5	998.8	997.0	997.0	995.3	993.6	986.7	986.7	988.4	981.5
172.5°	991.9	988.4	988.4	986.7	986.7	985.0	983.3	978.1	978.1	979.8	976.4
175°	976.4	974.7	972.9	971.2	971.2	971.2	969.5	966.0	967.8	969.5	966.0
177.5°	957.4	952.3	954.0	954.0	957.4	955.7	955.7	952.3	954.0	957.4	955.7
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
2.5°	344.4	344.4	342.7	344.4	344.4	344.4	346.1	346.1	347.8	347.8	347.8
5°	344.4	342.7	342.7	342.7	344.4	344.4	344.4	346.1	346.1	346.1	346.1
7.5°	341.0	341.0	341.0	341.0	341.0	342.7	342.7	342.7	344.4	344.4	342.7
10°	339.2	337.5	337.5	337.5	339.2	339.2	339.2	341.0	341.0	341.0	339.2
12.5°	334.1	334.1	332.3	334.1	334.1	334.1	334.1	335.8	335.8	335.8	335.8
15°	328.9	328.9	327.2	328.9	328.9	328.9	328.9	330.6	332.3	330.6	330.6
17.5°	322.0	322.0	322.0	322.0	322.0	323.7	323.7	325.5	325.5	325.5	323.7
20°	315.1	315.1	315.1	315.1	315.1	315.1	316.8	316.8	318.6	318.6	316.8
22.5°	306.5	306.5	306.5	306.5	308.2	308.2	308.2	310.0	310.0	310.0	308.2
25°	299.6	297.9	297.9	297.9	299.6	299.6	299.6	301.4	301.4	301.4	301.4
27.5°	289.3	289.3	287.6	289.3	289.3	291.0	291.0	292.7	292.7	292.7	291.0
30°	280.7	279.0	279.0	279.0	280.7	280.7	282.4	282.4	284.1	282.4	282.4
32.5°	270.4	270.4	268.6	270.4	270.4	270.4	272.1	272.1	273.8	273.8	272.1
35°	260.0	258.3	258.3	260.0	260.0	260.0	261.7	261.7	263.5	261.7	261.7
37.5°	249.7	248.0	248.0	248.0	248.0	249.7	251.4	251.4	251.4	251.4	251.4
40°	237.6	237.6	237.6	237.6	237.6	237.6	239.4	239.4	241.1	239.4	239.4
42.5°	227.3	225.6	225.6	225.6	225.6	227.3	227.3	229.0	229.0	229.0	227.3
45°	215.3	215.3	215.3	213.5	213.5	215.3	217.0	217.0	217.0	217.0	215.3
47.5°	203.2	201.5	203.2	203.2	201.5	203.2	204.9	204.9	204.9	204.9	203.2
50°	189.4	189.4	189.4	191.1	189.4	191.1	192.9	192.9	192.9	191.1	191.1
52.5°	175.6	177.4	179.1	179.1	177.4	179.1	179.1	179.1	179.1	179.1	179.1
55°	163.6	165.3	165.3	165.3	165.3	167.0	167.0	167.0	167.0	167.0	167.0
57.5°	151.5	151.5	153.3	153.3	153.3	153.3	153.3	155.0	153.3	153.3	153.3
60°	137.8	139.5	141.2	141.2	141.2	141.2	141.2	142.9	141.2	141.2	141.2
62.5°	125.7	125.7	127.4	129.2	127.4	129.2	129.2	129.2	129.2	129.2	129.2
65°	113.7	113.7	115.4	115.4	115.4	115.4	115.4	117.1	115.4	117.1	117.1
67.5°	99.9	101.6	101.6	103.3	103.3	103.3	103.3	105.0	105.0	103.3	103.3
70°	87.8	87.8	89.5	89.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3
72.5°	74.0	75.8	75.8	77.5	77.5	77.5	77.5	79.2	79.2	79.2	79.2
75°	62.0	63.7	63.7	65.4	63.7	65.4	65.4	65.4	67.2	65.4	67.2
77.5°	49.9	51.7	51.7	51.7	53.4	53.4	53.4	53.4	53.4	53.4	53.4
80°	37.9	39.6	39.6	39.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3
82.5°	25.8	27.6	27.6	27.6	27.6	29.3	29.3	29.3	29.3	29.3	29.3
85°	15.5	15.5	15.5	17.2	17.2	17.2	17.2	18.9	18.9	18.9	18.9
87.5°	5.2	5.2	5.2	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	5.2	5.2	5.2	5.2	6.9	6.9	10.3	10.3	8.6	8.6	8.6
95°	10.3	10.3	13.8	17.2	20.7	24.1	27.6	27.6	24.1	20.7	18.9
97.5°	17.2	22.4	29.3	39.6	44.8	51.7	56.8	51.7	44.8	37.9	34.4
100°	31.0	41.3	58.5	79.2	87.8	94.7	96.4	86.1	72.3	58.5	53.4
102.5°	58.5	79.2	115.4	142.9	149.8	155.0	146.4	127.4	108.5	87.8	77.5
105°	111.9	158.4	208.4	222.1	225.6	222.1	203.2	175.6	149.8	124.0	108.5
107.5°	229.0	282.4	313.4	306.5	297.9	287.6	260.0	227.3	196.3	163.6	144.6
110°	380.6	402.9	401.2	377.1	359.9	344.4	315.1	279.0	242.8	208.4	184.3



TEST NUMBER: P303197

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	506.3	494.2	470.1	435.7	416.7	397.8	366.8	330.6	291.0	254.9	229.0
115°	582.0	556.2	523.5	492.5	473.6	452.9	416.7	378.8	339.2	301.4	273.8
117.5°	635.4	606.1	575.1	540.7	521.8	502.8	468.4	425.3	385.7	347.8	318.6
120°	678.5	647.5	614.8	583.8	566.5	549.3	513.2	473.6	430.5	394.3	361.6
122.5°	718.1	687.1	657.8	625.1	606.1	590.6	552.8	514.9	477.0	439.1	404.7
125°	754.2	726.7	692.2	661.2	645.8	628.5	592.4	554.5	520.0	483.9	451.2
127.5°	787.0	759.4	728.4	694.0	678.5	663.0	625.1	590.6	559.7	523.5	492.5
130°	816.2	788.7	759.4	726.7	712.9	695.7	661.2	626.8	597.5	564.8	532.1
132.5°	843.8	816.2	787.0	756.0	740.5	725.0	695.7	661.2	633.7	604.4	571.7
135°	867.9	840.3	811.1	780.1	766.3	752.5	723.2	694.0	664.7	638.9	607.9
137.5°	888.6	862.7	833.4	804.2	792.1	778.3	750.8	723.2	697.4	671.6	642.3
140°	907.5	881.7	852.4	824.8	812.8	802.5	774.9	750.8	728.4	702.6	675.0
142.5°	924.7	897.2	869.6	843.8	833.4	823.1	799.0	776.6	756.0	730.1	706.0
145°	938.5	910.9	885.1	861.0	854.1	842.1	819.7	800.7	780.1	757.7	735.3
147.5°	952.3	926.4	900.6	878.2	871.3	861.0	842.1	823.1	804.2	783.5	762.8
150°	960.9	936.8	914.4	895.4	888.6	878.2	859.3	843.8	828.3	807.6	787.0
152.5°	967.8	945.4	924.7	909.2	904.1	895.4	878.2	866.2	848.9	831.7	812.8
155°	972.9	952.3	935.0	921.3	916.1	910.9	893.7	883.4	867.9	852.4	835.2
157.5°	976.4	957.4	941.9	931.6	926.4	921.3	905.8	897.2	885.1	871.3	854.1
160°	978.1	960.9	948.8	940.2	935.0	929.9	919.5	909.2	897.2	886.8	873.1
162.5°	978.1	964.3	952.3	945.4	941.9	938.5	928.2	919.5	910.9	900.6	888.6
165°	978.1	966.0	955.7	950.5	947.1	945.4	935.0	929.9	921.3	912.7	902.3
167.5°	974.7	964.3	957.4	954.0	950.5	948.8	941.9	935.0	929.9	924.7	914.4
170°	971.2	962.6	955.7	954.0	952.3	950.5	945.4	941.9	938.5	933.3	924.7
172.5°	966.0	959.2	954.0	952.3	952.3	950.5	947.1	945.4	943.7	940.2	933.3
175°	957.4	952.3	947.1	948.8	948.8	948.8	945.4	947.1	945.4	943.7	938.5
177.5°	947.1	943.7	941.9	943.7	943.7	943.7	943.7	945.4	947.1	947.1	941.9
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P303197

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
2.5°	344.4	342.7	342.7	342.7	344.4	344.4	344.4	344.4	346.1	346.1	346.1
5°	342.7	341.0	341.0	341.0	342.7	342.7	342.7	342.7	344.4	344.4	344.4
7.5°	341.0	339.2	339.2	339.2	339.2	341.0	341.0	339.2	341.0	342.7	341.0
10°	337.5	335.8	335.8	335.8	335.8	337.5	337.5	335.8	337.5	337.5	337.5
12.5°	332.3	330.6	330.6	330.6	332.3	332.3	332.3	330.6	332.3	334.1	332.3
15°	327.2	325.5	325.5	325.5	325.5	327.2	327.2	325.5	327.2	327.2	325.5
17.5°	322.0	320.3	318.6	318.6	320.3	320.3	320.3	318.6	320.3	320.3	318.6
20°	313.4	311.7	311.7	311.7	313.4	313.4	311.7	311.7	313.4	311.7	311.7
22.5°	306.5	304.8	304.8	304.8	304.8	304.8	304.8	303.1	304.8	303.1	303.1
25°	297.9	296.2	296.2	296.2	296.2	296.2	294.5	294.5	296.2	294.5	292.7
27.5°	289.3	287.6	287.6	287.6	287.6	287.6	285.9	285.9	285.9	284.1	284.1
30°	279.0	279.0	277.2	277.2	277.2	277.2	275.5	275.5	277.2	275.5	273.8
32.5°	270.4	268.6	268.6	268.6	268.6	266.9	265.2	265.2	265.2	265.2	263.5
35°	258.3	258.3	258.3	258.3	256.6	256.6	254.9	256.6	254.9	253.1	253.1
37.5°	248.0	248.0	246.2	246.2	246.2	246.2	244.5	246.2	244.5	242.8	241.1
40°	237.6	235.9	235.9	235.9	235.9	234.2	234.2	234.2	232.5	230.7	230.7
42.5°	225.6	225.6	223.9	225.6	223.9	223.9	222.1	223.9	222.1	220.4	218.7
45°	213.5	213.5	213.5	213.5	213.5	211.8	211.8	211.8	210.1	208.4	206.6
47.5°	201.5	201.5	201.5	203.2	201.5	199.8	199.8	199.8	198.0	196.3	194.6
50°	189.4	189.4	189.4	189.4	189.4	187.7	187.7	186.0	186.0	184.3	182.5
52.5°	177.4	177.4	177.4	179.1	177.4	175.6	175.6	175.6	173.9	172.2	170.5
55°	165.3	165.3	167.0	165.3	165.3	165.3	163.6	163.6	161.9	160.1	158.4
57.5°	153.3	153.3	153.3	153.3	153.3	151.5	151.5	151.5	149.8	148.1	146.4
60°	141.2	141.2	141.2	141.2	139.5	139.5	139.5	137.8	136.0	134.3	134.3
62.5°	127.4	129.2	129.2	127.4	127.4	127.4	125.7	125.7	124.0	124.0	122.3
65°	115.4	117.1	115.4	115.4	115.4	115.4	113.7	113.7	111.9	110.2	110.2
67.5°	103.3	103.3	103.3	103.3	103.3	101.6	101.6	99.9	99.9	98.2	98.2
70°	91.3	91.3	89.5	89.5	91.3	89.5	87.8	87.8	87.8	86.1	86.1
72.5°	79.2	79.2	77.5	77.5	77.5	77.5	75.8	75.8	74.0	74.0	72.3
75°	65.4	65.4	65.4	65.4	65.4	63.7	63.7	63.7	62.0	62.0	60.3
77.5°	53.4	53.4	53.4	53.4	53.4	51.7	51.7	51.7	51.7	49.9	49.9
80°	41.3	41.3	41.3	41.3	41.3	39.6	39.6	39.6	37.9	37.9	36.2
82.5°	29.3	29.3	29.3	29.3	29.3	27.6	27.6	27.6	25.8	25.8	25.8
85°	18.9	17.2	17.2	17.2	17.2	17.2	15.5	15.5	15.5	15.5	13.8
87.5°	8.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.2	6.9
90°	1.7	3.4	3.4	5.2	5.2	5.2	5.2	6.9	6.9	6.9	6.9
92.5°	13.8	17.2	17.2	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
95°	22.4	25.8	32.7	34.4	36.2	39.6	39.6	39.6	37.9	37.9	37.9
97.5°	32.7	37.9	37.9	41.3	43.1	49.9	55.1	56.8	60.3	60.3	60.3
100°	49.9	48.2	53.4	56.8	56.8	56.8	60.3	67.2	70.6	74.0	75.8
102.5°	72.3	65.4	65.4	67.2	70.6	77.5	72.3	74.0	77.5	80.9	86.1
105°	96.4	89.5	84.4	82.7	84.4	89.5	94.7	93.0	89.5	91.3	94.7
107.5°	127.4	115.4	105.0	103.3	103.3	103.3	108.5	113.7	117.1	113.7	110.2
110°	163.6	144.6	134.3	125.7	124.0	122.3	122.3	125.7	132.6	137.8	139.5



TEST NUMBER: P303197

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	203.2	180.8	163.6	155.0	149.8	142.9	141.2	141.2	144.6	151.5	156.7
115°	244.5	220.4	198.0	189.4	180.8	168.8	163.6	160.1	160.1	163.6	168.8
117.5°	287.6	261.7	237.6	223.9	217.0	199.8	187.7	180.8	179.1	179.1	182.5
120°	330.6	306.5	279.0	263.5	254.9	235.9	218.7	204.9	199.8	198.0	196.3
122.5°	373.7	347.8	322.0	306.5	296.2	273.8	256.6	235.9	227.3	218.7	217.0
125°	416.7	390.9	363.3	351.3	337.5	313.4	294.5	273.8	258.3	246.2	237.6
127.5°	461.5	432.2	404.7	396.1	380.6	356.5	335.8	315.1	297.9	280.7	268.6
130°	501.1	477.0	451.2	437.4	423.6	399.5	375.4	354.7	339.2	322.0	306.5
132.5°	540.7	516.6	492.5	483.9	470.1	442.6	420.2	396.1	378.8	361.6	347.8
135°	576.9	552.8	530.4	521.8	509.7	485.6	464.9	440.8	418.4	402.9	389.2
137.5°	611.3	588.9	566.5	557.9	547.6	525.2	506.3	485.6	464.9	449.4	428.8
140°	645.8	623.4	602.7	594.1	583.8	563.1	542.4	526.9	506.3	490.8	475.3
142.5°	678.5	656.1	635.4	626.8	619.9	599.3	580.3	566.5	549.3	532.1	518.3
145°	709.5	685.4	668.1	659.5	652.6	633.7	616.5	604.4	590.6	573.4	559.7
147.5°	737.0	714.6	697.4	692.2	685.4	669.9	652.6	638.9	628.5	613.0	599.3
150°	762.8	742.2	726.7	721.5	716.4	699.1	683.6	671.6	663.0	649.2	635.4
152.5°	790.4	769.7	756.0	750.8	743.9	730.1	716.4	702.6	695.7	685.4	671.6
155°	812.8	795.6	781.8	776.6	769.7	759.4	743.9	733.6	728.4	716.4	704.3
157.5°	835.2	818.0	805.9	800.7	795.6	785.2	771.5	761.1	757.7	747.3	737.0
160°	854.1	838.6	826.6	821.4	818.0	809.3	797.3	787.0	785.2	778.3	768.0
162.5°	871.3	855.8	847.2	842.1	838.6	833.4	821.4	811.1	809.3	804.2	795.6
165°	885.1	871.3	864.4	861.0	859.3	854.1	843.8	833.4	833.4	830.0	819.7
167.5°	900.6	886.8	879.9	878.2	876.5	871.3	864.4	855.8	855.8	852.4	843.8
170°	912.7	900.6	895.4	893.7	892.0	888.6	883.4	874.8	876.5	873.1	866.2
172.5°	921.3	912.7	909.2	905.8	905.8	904.1	900.6	893.7	895.4	893.7	886.8
175°	928.2	919.5	919.5	916.1	917.8	917.8	912.7	907.5	910.9	912.7	905.8
177.5°	933.3	926.4	926.4	926.4	928.2	928.2	926.4	921.3	924.7	928.2	921.3
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P303197

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
2.5°	346.1	346.1	346.1	344.4	346.1	342.7	341.0	341.0
5°	342.7	342.7	342.7	342.7	342.7	342.7	341.0	341.0
7.5°	341.0	341.0	339.2	339.2	341.0	341.0	339.2	339.2
10°	335.8	335.8	335.8	335.8	337.5	335.8	335.8	335.8
12.5°	332.3	330.6	330.6	330.6	332.3	330.6	330.6	330.6
15°	325.5	325.5	325.5	325.5	327.2	325.5	325.5	325.5
17.5°	318.6	318.6	318.6	318.6	320.3	318.6	316.8	316.8
20°	311.7	310.0	310.0	310.0	310.0	310.0	308.2	308.2
22.5°	301.4	301.4	301.4	301.4	301.4	299.6	299.6	299.6
25°	292.7	291.0	291.0	292.7	291.0	291.0	289.3	289.3
27.5°	282.4	282.4	282.4	282.4	282.4	280.7	279.0	279.0
30°	273.8	272.1	272.1	272.1	272.1	270.4	268.6	268.6
32.5°	263.5	261.7	261.7	261.7	261.7	258.3	258.3	258.3
35°	251.4	251.4	251.4	251.4	249.7	248.0	248.0	246.2
37.5°	241.1	239.4	239.4	239.4	237.6	237.6	235.9	235.9
40°	229.0	229.0	229.0	229.0	227.3	225.6	223.9	223.9
42.5°	217.0	217.0	217.0	217.0	215.3	213.5	213.5	213.5
45°	206.6	204.9	204.9	204.9	203.2	203.2	201.5	201.5
47.5°	194.6	194.6	192.9	192.9	192.9	191.1	189.4	189.4
50°	182.5	182.5	182.5	180.8	179.1	179.1	179.1	177.4
52.5°	170.5	170.5	170.5	168.8	168.8	167.0	167.0	167.0
55°	158.4	158.4	158.4	156.7	156.7	155.0	155.0	155.0
57.5°	146.4	146.4	146.4	144.6	144.6	142.9	142.9	142.9
60°	134.3	134.3	132.6	132.6	132.6	130.9	130.9	130.9
62.5°	122.3	120.5	120.5	120.5	120.5	118.8	118.8	118.8
65°	110.2	108.5	108.5	108.5	108.5	106.8	106.8	106.8
67.5°	98.2	96.4	96.4	96.4	96.4	94.7	94.7	94.7
70°	84.4	84.4	84.4	84.4	84.4	82.7	82.7	82.7
72.5°	72.3	72.3	72.3	72.3	70.6	70.6	70.6	70.6
75°	60.3	60.3	60.3	60.3	58.5	58.5	58.5	58.5
77.5°	48.2	48.2	48.2	48.2	48.2	46.5	46.5	48.2
80°	36.2	36.2	36.2	36.2	36.2	34.4	34.4	34.4
82.5°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	22.4
85°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
87.5°	5.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9
90°	6.9	8.6	8.6	8.6	8.6	10.3	10.3	10.3
92.5°	18.9	20.7	20.7	18.9	20.7	20.7	20.7	20.7
95°	36.2	37.9	37.9	36.2	37.9	37.9	37.9	37.9
97.5°	60.3	60.3	60.3	58.5	60.3	58.5	58.5	58.5
100°	77.5	77.5	79.2	79.2	80.9	80.9	79.2	80.9
102.5°	87.8	89.5	91.3	91.3	93.0	93.0	94.7	94.7
105°	96.4	98.2	99.9	99.9	103.3	105.0	106.8	106.8
107.5°	110.2	110.2	111.9	111.9	113.7	113.7	113.7	115.4
110°	137.8	132.6	130.9	130.9	129.2	129.2	129.2	129.2



TEST NUMBER: P303197

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	160.1	160.1	161.9	161.9	161.9	160.1	156.7	158.4
115°	173.9	177.4	177.4	179.1	179.1	180.8	180.8	182.5
117.5°	184.3	187.7	189.4	191.1	194.6	196.3	196.3	196.3
120°	198.0	199.8	201.5	201.5	203.2	204.9	206.6	206.6
122.5°	215.3	213.5	215.3	215.3	215.3	217.0	217.0	217.0
125°	234.2	232.5	230.7	230.7	229.0	229.0	229.0	229.0
127.5°	260.0	254.9	253.1	251.4	248.0	248.0	246.2	248.0
130°	294.5	285.9	282.4	279.0	272.1	272.1	268.6	268.6
132.5°	334.1	323.7	318.6	315.1	306.5	303.1	299.6	299.6
135°	377.1	366.8	359.9	356.5	346.1	342.7	339.2	335.8
137.5°	418.4	408.1	402.9	401.2	390.9	387.5	380.6	378.8
140°	463.2	452.9	447.7	444.3	432.2	427.1	423.6	421.9
142.5°	506.3	494.2	489.0	487.3	478.7	473.6	468.4	466.7
145°	547.6	535.5	530.4	530.4	520.0	516.6	511.4	508.0
147.5°	588.9	576.9	571.7	571.7	563.1	556.2	552.8	549.3
150°	626.8	616.5	611.3	611.3	602.7	595.8	590.6	588.9
152.5°	661.2	652.6	649.2	649.2	642.3	635.4	632.0	630.3
155°	695.7	688.8	683.6	683.6	678.5	671.6	669.9	668.1
157.5°	730.1	723.2	718.1	719.8	712.9	707.7	704.3	704.3
160°	761.1	756.0	750.8	750.8	747.3	742.2	735.3	737.0
162.5°	792.1	785.2	781.8	781.8	780.1	773.2	766.3	768.0
165°	814.5	811.1	809.3	809.3	807.6	802.5	797.3	797.3
167.5°	838.6	835.2	833.4	833.4	831.7	828.3	823.1	824.8
170°	862.7	859.3	857.6	855.8	855.8	852.4	848.9	848.9
172.5°	885.1	881.7	879.9	879.9	881.7	878.2	873.1	873.1
175°	904.1	902.3	898.9	898.9	898.9	895.4	892.0	892.0
177.5°	921.3	919.5	919.5	917.8	919.5	914.4	909.2	909.2
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8

(END OF REPORT)