

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: P303188

Luminaire Tested: **CTW-F-7525-20L835-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303188
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-7525-20L835-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

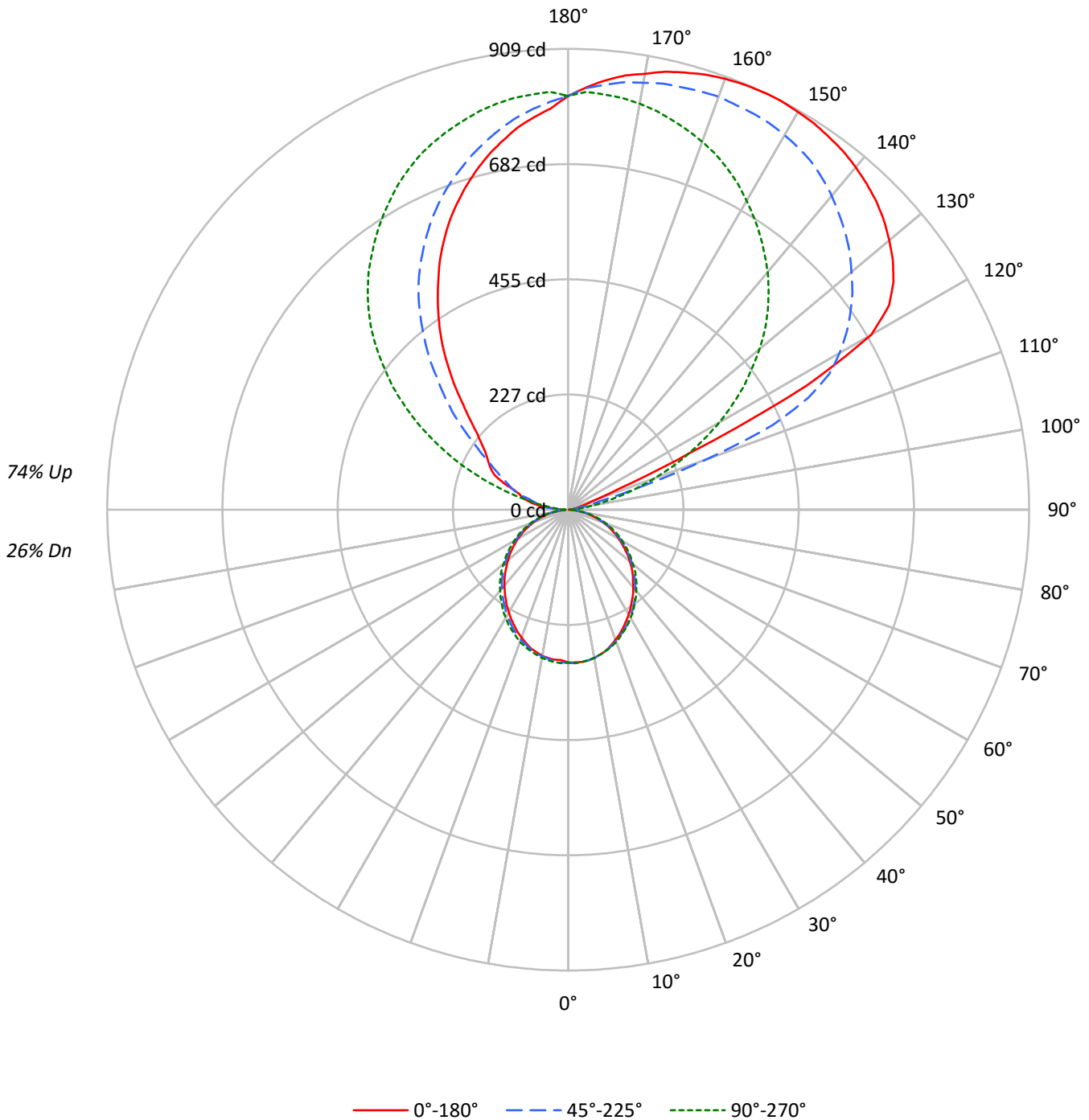
Lumens per Lamp: N/A
Luminaire Lumens: 3113.5 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 23.2
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°	4327	4327	4327
5°	4344	4344	4279
10°	4328	4328	4263
15°	4279	4279	4212
20°	4170	4238	4101
25°	4062	4157	3991
30°	3952	4077	3878
35°	3837	3995	3758
40°	3738	3906	3653
45°	3653	3836	3562
50°	3550	3718	3450
55°	3415	3641	3378
60°	3315	3531	3272
65°	3209	3464	3158
70°	3084	3336	3021
75°	2828	3161	2828
80°	2479	2975	2479
85°	1729	2717	1976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.9
10°-20°	80.5	2.6
20°-30°	118.9	3.8
30°-40°	139.5	4.5
40°-50°	141.4	4.5
50°-60°	126.0	4.0
60°-70°	96.7	3.1
70°-80°	57.3	1.8
80°-90°	16.2	0.5
90°-100°	24.5	0.8
100°-110°	99.5	3.2
110°-120°	278.9	9.0
120°-130°	406.7	13.1
130°-140°	438.1	14.1
140°-150°	417.3	13.4
150°-160°	342.5	11.0
160°-170°	223.7	7.2
170°-180°	77.5	2.5
0°-30°	227.8	7.3
0°-40°	367.3	11.8
0°-60°	634.7	20.4
0°-90°	804.9	25.9
90°-120°	402.9	12.9
90°-150°	1665.0	53.5
90°-180°	2309.0	74.2
0°-180°	3113.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	302	302	302	302	302	
5°	302	302	302	300	297	29
15°	288	288	288	285	284	81
25°	256	261	262	258	252	118
35°	219	226	228	222	214	137
45°	180	184	189	183	176	139
55°	136	141	146	141	135	123
65°	94	98	102	98	93	94
75°	51	54	57	54	51	54
85°	10	14	16	14	12	13
90°	2	2	2	6	9	1
95°	6	8	18	33	33	6
105°	27	66	108	78	93	31
115°	264	522	262	140	159	312
125°	783	680	422	225	200	694
135°	860	772	556	364	292	663
145°	897	837	660	514	442	563
155°	909	862	742	634	582	420
165°	892	862	795	726	694	253
175°	850	842	822	794	777	82
180°	816	816	816	816	816	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5
2.5°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	303.0	303.0
5°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	300.0	301.5	301.5	301.5
7.5°	300.0	300.0	300.0	300.0	300.0	300.0	298.5	298.5	298.5	300.0	300.0
10°	297.0	297.0	297.0	295.5	295.5	297.0	295.5	295.5	297.0	297.0	297.0
12.5°	292.5	292.5	292.5	292.5	292.5	292.5	292.5	291.0	292.5	294.0	292.5
15°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	286.5	288.0	289.5	288.0
17.5°	280.5	280.5	280.5	280.5	282.0	282.0	282.0	280.5	282.0	283.5	282.0
20°	273.0	273.0	273.0	274.5	274.5	274.5	274.5	274.5	274.5	276.0	276.0
22.5°	265.5	265.5	265.5	265.5	267.0	267.0	267.0	265.5	267.0	268.5	268.5
25°	256.5	256.5	256.5	256.5	258.0	258.0	258.0	258.0	259.5	261.0	261.0
27.5°	247.5	247.5	247.5	249.0	250.5	250.5	250.5	250.5	250.5	252.0	253.5
30°	238.5	238.5	238.5	240.0	240.0	241.5	241.5	241.5	241.5	243.0	244.5
32.5°	229.5	229.5	229.5	231.0	231.0	231.0	232.5	232.5	232.5	234.0	235.5
35°	219.0	220.5	220.5	220.5	222.0	222.0	222.0	222.0	223.5	225.0	226.5
37.5°	210.0	210.0	210.0	210.0	211.5	211.5	211.5	213.0	213.0	214.5	216.0
40°	199.5	199.5	199.5	201.0	201.0	201.0	202.5	202.5	204.0	205.5	205.5
42.5°	189.0	189.0	189.0	190.5	190.5	190.5	192.0	193.5	193.5	195.0	195.0
45°	180.0	180.0	180.0	180.0	180.0	180.0	181.5	181.5	183.0	184.5	184.5
47.5°	169.5	168.0	169.5	169.5	169.5	169.5	171.0	171.0	172.5	172.5	174.0
50°	159.0	157.5	159.0	159.0	159.0	159.0	160.5	160.5	162.0	162.0	163.5
52.5°	148.5	148.5	148.5	148.5	148.5	148.5	148.5	150.0	151.5	151.5	153.0
55°	136.5	136.5	138.0	138.0	138.0	138.0	138.0	139.5	139.5	141.0	141.0
57.5°	126.0	126.0	126.0	127.5	127.5	127.5	127.5	129.0	129.0	130.5	130.5
60°	115.5	115.5	115.5	115.5	117.0	117.0	117.0	117.0	118.5	120.0	120.0
62.5°	105.0	105.0	105.0	105.0	106.5	106.5	105.0	106.5	106.5	108.0	108.0
65°	94.5	94.5	94.5	94.5	94.5	94.5	94.5	96.0	96.0	97.5	97.5
67.5°	84.0	82.5	84.0	84.0	84.0	84.0	84.0	85.5	85.5	85.5	87.0
70°	73.5	72.0	72.0	72.0	73.5	73.5	73.5	75.0	73.5	75.0	75.0
72.5°	61.5	61.5	61.5	61.5	61.5	63.0	63.0	63.0	63.0	64.5	64.5
75°	51.0	51.0	51.0	51.0	51.0	51.0	52.5	52.5	52.5	54.0	54.0
77.5°	40.5	40.5	40.5	40.5	40.5	40.5	42.0	42.0	42.0	42.0	43.5
80°	30.0	30.0	30.0	30.0	30.0	30.0	31.5	31.5	31.5	31.5	33.0
82.5°	19.5	19.5	19.5	21.0	19.5	21.0	21.0	21.0	21.0	21.0	22.5
85°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	12.0	12.0	13.5
87.5°	3.0	1.5	1.5	3.0	1.5	3.0	3.0	3.0	3.0	3.0	3.0
90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
92.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
95°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5
97.5°	9.0	9.0	9.0	9.0	9.0	10.5	10.5	10.5	10.5	12.0	13.5
100°	13.5	13.5	13.5	13.5	15.0	15.0	15.0	16.5	16.5	19.5	21.0
102.5°	19.5	19.5	19.5	19.5	21.0	21.0	22.5	24.0	25.5	30.0	37.5
105°	27.0	27.0	27.0	28.5	30.0	30.0	31.5	34.5	40.5	49.5	66.0
107.5°	37.5	37.5	39.0	40.5	43.5	45.0	48.0	58.5	72.0	96.0	144.0
110°	57.0	57.0	60.0	64.5	73.5	79.5	90.0	118.5	160.5	222.0	288.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	108.0	109.5	121.5	130.5	160.5	183.0	214.5	277.5	342.0	397.5	436.5
115°	264.0	268.5	298.5	315.0	382.5	396.0	430.5	490.5	519.0	526.5	522.0
117.5°	531.0	532.5	553.5	567.0	592.5	601.5	604.5	615.0	609.0	597.0	580.5
120°	690.0	687.0	690.0	685.5	687.0	684.0	679.5	670.5	655.5	639.0	618.0
122.5°	750.0	748.5	745.5	736.5	732.0	726.0	718.5	708.0	693.0	672.0	651.0
125°	783.0	781.5	778.5	769.5	762.0	756.0	750.0	738.0	720.0	702.0	679.5
127.5°	807.0	805.5	801.0	795.0	786.0	780.0	774.0	762.0	744.0	726.0	706.5
130°	826.5	825.0	820.5	816.0	807.0	802.5	796.5	784.5	766.5	748.5	729.0
132.5°	844.5	843.0	840.0	835.5	826.5	820.5	816.0	805.5	786.0	768.0	753.0
135°	859.5	856.5	856.5	850.5	841.5	837.0	832.5	822.0	804.0	787.5	772.5
137.5°	871.5	870.0	867.0	862.5	855.0	850.5	846.0	835.5	820.5	804.0	790.5
140°	882.0	880.5	879.0	874.5	867.0	862.5	859.5	847.5	834.0	820.5	808.5
142.5°	891.0	889.5	886.5	883.5	876.0	873.0	870.0	859.5	844.5	834.0	823.5
145°	897.0	897.0	894.0	891.0	885.0	882.0	879.0	867.0	855.0	846.0	837.0
147.5°	903.0	903.0	898.5	897.0	892.5	889.5	886.5	874.5	862.5	855.0	846.0
150°	906.0	906.0	903.0	900.0	895.5	894.0	891.0	880.5	870.0	864.0	853.5
152.5°	909.0	909.0	906.0	903.0	898.5	897.0	892.5	885.0	874.5	868.5	859.5
155°	909.0	910.5	906.0	903.0	900.0	898.5	894.0	885.0	877.5	873.0	862.5
157.5°	907.5	907.5	906.0	903.0	898.5	897.0	892.5	883.5	877.5	876.0	864.0
160°	904.5	904.5	903.0	898.5	897.0	894.0	889.5	883.5	879.0	876.0	867.0
162.5°	900.0	898.5	897.0	894.0	892.5	891.0	888.0	880.5	876.0	874.5	865.5
165°	892.5	891.0	889.5	888.0	886.5	885.0	882.0	874.5	873.0	871.5	862.5
167.5°	885.0	882.0	880.5	877.5	877.5	874.5	873.0	868.5	867.0	867.0	861.0
170°	873.0	871.5	870.0	868.5	868.5	867.0	865.5	859.5	859.5	861.0	855.0
172.5°	864.0	861.0	861.0	859.5	859.5	858.0	856.5	852.0	852.0	853.5	850.5
175°	850.5	849.0	847.5	846.0	846.0	846.0	844.5	841.5	843.0	844.5	841.5
177.5°	834.0	829.5	831.0	831.0	834.0	832.5	832.5	829.5	831.0	834.0	832.5
180°	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5
2.5°	300.0	300.0	298.5	300.0	300.0	300.0	301.5	301.5	303.0	303.0	303.0
5°	300.0	298.5	298.5	298.5	300.0	300.0	300.0	301.5	301.5	301.5	301.5
7.5°	297.0	297.0	297.0	297.0	297.0	298.5	298.5	298.5	300.0	300.0	298.5
10°	295.5	294.0	294.0	294.0	295.5	295.5	295.5	297.0	297.0	297.0	295.5
12.5°	291.0	291.0	289.5	291.0	291.0	291.0	291.0	292.5	292.5	292.5	292.5
15°	286.5	286.5	285.0	286.5	286.5	286.5	286.5	288.0	289.5	288.0	288.0
17.5°	280.5	280.5	280.5	280.5	280.5	282.0	282.0	283.5	283.5	283.5	282.0
20°	274.5	274.5	274.5	274.5	274.5	274.5	276.0	276.0	277.5	277.5	276.0
22.5°	267.0	267.0	267.0	267.0	268.5	268.5	268.5	270.0	270.0	270.0	268.5
25°	261.0	259.5	259.5	259.5	261.0	261.0	261.0	262.5	262.5	262.5	262.5
27.5°	252.0	252.0	250.5	252.0	252.0	253.5	253.5	255.0	255.0	255.0	253.5
30°	244.5	243.0	243.0	243.0	244.5	244.5	246.0	246.0	247.5	246.0	246.0
32.5°	235.5	235.5	234.0	235.5	235.5	235.5	237.0	237.0	238.5	238.5	237.0
35°	226.5	225.0	225.0	226.5	226.5	226.5	228.0	228.0	229.5	228.0	228.0
37.5°	217.5	216.0	216.0	216.0	216.0	217.5	219.0	219.0	219.0	219.0	219.0
40°	207.0	207.0	207.0	207.0	207.0	207.0	208.5	208.5	210.0	208.5	208.5
42.5°	198.0	196.5	196.5	196.5	196.5	198.0	198.0	199.5	199.5	199.5	198.0
45°	187.5	187.5	187.5	186.0	186.0	187.5	189.0	189.0	189.0	189.0	187.5
47.5°	177.0	175.5	177.0	177.0	175.5	177.0	178.5	178.5	178.5	178.5	177.0
50°	165.0	165.0	165.0	166.5	165.0	166.5	168.0	168.0	168.0	166.5	166.5
52.5°	153.0	154.5	156.0	156.0	154.5	156.0	156.0	156.0	156.0	156.0	156.0
55°	142.5	144.0	144.0	144.0	144.0	145.5	145.5	145.5	145.5	145.5	145.5
57.5°	132.0	132.0	133.5	133.5	133.5	133.5	133.5	135.0	133.5	133.5	133.5
60°	120.0	121.5	123.0	123.0	123.0	123.0	123.0	124.5	123.0	123.0	123.0
62.5°	109.5	109.5	111.0	112.5	111.0	112.5	112.5	112.5	112.5	112.5	112.5
65°	99.0	99.0	100.5	100.5	100.5	100.5	100.5	102.0	100.5	102.0	102.0
67.5°	87.0	88.5	88.5	90.0	90.0	90.0	90.0	91.5	91.5	90.0	90.0
70°	76.5	76.5	78.0	78.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5
72.5°	64.5	66.0	66.0	67.5	67.5	67.5	67.5	69.0	69.0	69.0	69.0
75°	54.0	55.5	55.5	57.0	55.5	57.0	57.0	57.0	58.5	57.0	58.5
77.5°	43.5	45.0	45.0	45.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5
80°	33.0	34.5	34.5	34.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0
82.5°	22.5	24.0	24.0	24.0	24.0	25.5	25.5	25.5	25.5	25.5	25.5
85°	13.5	13.5	13.5	15.0	15.0	15.0	15.0	16.5	16.5	16.5	16.5
87.5°	4.5	4.5	4.5	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5
90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
92.5°	4.5	4.5	4.5	4.5	6.0	6.0	9.0	9.0	7.5	7.5	7.5
95°	9.0	9.0	12.0	15.0	18.0	21.0	24.0	24.0	21.0	18.0	16.5
97.5°	15.0	19.5	25.5	34.5	39.0	45.0	49.5	45.0	39.0	33.0	30.0
100°	27.0	36.0	51.0	69.0	76.5	82.5	84.0	75.0	63.0	51.0	46.5
102.5°	51.0	69.0	100.5	124.5	130.5	135.0	127.5	111.0	94.5	76.5	67.5
105°	97.5	138.0	181.5	193.5	196.5	193.5	177.0	153.0	130.5	108.0	94.5
107.5°	199.5	246.0	273.0	267.0	259.5	250.5	226.5	198.0	171.0	142.5	126.0
110°	331.5	351.0	349.5	328.5	313.5	300.0	274.5	243.0	211.5	181.5	160.5



TEST NUMBER: P303188

CATALOG NUMBER: CTW-F-7525-20L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	441.0	430.5	409.5	379.5	363.0	346.5	319.5	288.0	253.5	222.0	199.5
115°	507.0	484.5	456.0	429.0	412.5	394.5	363.0	330.0	295.5	262.5	238.5
117.5°	553.5	528.0	501.0	471.0	454.5	438.0	408.0	370.5	336.0	303.0	277.5
120°	591.0	564.0	535.5	508.5	493.5	478.5	447.0	412.5	375.0	343.5	315.0
122.5°	625.5	598.5	573.0	544.5	528.0	514.5	481.5	448.5	415.5	382.5	352.5
125°	657.0	633.0	603.0	576.0	562.5	547.5	516.0	483.0	453.0	421.5	393.0
127.5°	685.5	661.5	634.5	604.5	591.0	577.5	544.5	514.5	487.5	456.0	429.0
130°	711.0	687.0	661.5	633.0	621.0	606.0	576.0	546.0	520.5	492.0	463.5
132.5°	735.0	711.0	685.5	658.5	645.0	631.5	606.0	576.0	552.0	526.5	498.0
135°	756.0	732.0	706.5	679.5	667.5	655.5	630.0	604.5	579.0	556.5	529.5
137.5°	774.0	751.5	726.0	700.5	690.0	678.0	654.0	630.0	607.5	585.0	559.5
140°	790.5	768.0	742.5	718.5	708.0	699.0	675.0	654.0	634.5	612.0	588.0
142.5°	805.5	781.5	757.5	735.0	726.0	717.0	696.0	676.5	658.5	636.0	615.0
145°	817.5	793.5	771.0	750.0	744.0	733.5	714.0	697.5	679.5	660.0	640.5
147.5°	829.5	807.0	784.5	765.0	759.0	750.0	733.5	717.0	700.5	682.5	664.5
150°	837.0	816.0	796.5	780.0	774.0	765.0	748.5	735.0	721.5	703.5	685.5
152.5°	843.0	823.5	805.5	792.0	787.5	780.0	765.0	754.5	739.5	724.5	708.0
155°	847.5	829.5	814.5	802.5	798.0	793.5	778.5	769.5	756.0	742.5	727.5
157.5°	850.5	834.0	820.5	811.5	807.0	802.5	789.0	781.5	771.0	759.0	744.0
160°	852.0	837.0	826.5	819.0	814.5	810.0	801.0	792.0	781.5	772.5	760.5
162.5°	852.0	840.0	829.5	823.5	820.5	817.5	808.5	801.0	793.5	784.5	774.0
165°	852.0	841.5	832.5	828.0	825.0	823.5	814.5	810.0	802.5	795.0	786.0
167.5°	849.0	840.0	834.0	831.0	828.0	826.5	820.5	814.5	810.0	805.5	796.5
170°	846.0	838.5	832.5	831.0	829.5	828.0	823.5	820.5	817.5	813.0	805.5
172.5°	841.5	835.5	831.0	829.5	829.5	828.0	825.0	823.5	822.0	819.0	813.0
175°	834.0	829.5	825.0	826.5	826.5	826.5	823.5	825.0	823.5	822.0	817.5
177.5°	825.0	822.0	820.5	822.0	822.0	822.0	822.0	823.5	825.0	825.0	820.5
180°	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0



TEST NUMBER: P303188

CATALOG NUMBER: CTW-F-7525-20L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5
2.5°	300.0	298.5	298.5	298.5	300.0	300.0	300.0	300.0	301.5	301.5	301.5
5°	298.5	297.0	297.0	297.0	298.5	298.5	298.5	298.5	300.0	300.0	300.0
7.5°	297.0	295.5	295.5	295.5	295.5	297.0	297.0	295.5	297.0	298.5	297.0
10°	294.0	292.5	292.5	292.5	292.5	294.0	294.0	292.5	294.0	294.0	294.0
12.5°	289.5	288.0	288.0	288.0	289.5	289.5	289.5	288.0	289.5	291.0	289.5
15°	285.0	283.5	283.5	283.5	283.5	285.0	285.0	283.5	285.0	285.0	283.5
17.5°	280.5	279.0	277.5	277.5	279.0	279.0	279.0	277.5	279.0	279.0	277.5
20°	273.0	271.5	271.5	271.5	273.0	273.0	271.5	271.5	273.0	271.5	271.5
22.5°	267.0	265.5	265.5	265.5	265.5	265.5	265.5	264.0	265.5	264.0	264.0
25°	259.5	258.0	258.0	258.0	258.0	258.0	256.5	256.5	258.0	256.5	255.0
27.5°	252.0	250.5	250.5	250.5	250.5	250.5	249.0	249.0	249.0	247.5	247.5
30°	243.0	243.0	241.5	241.5	241.5	241.5	240.0	240.0	241.5	240.0	238.5
32.5°	235.5	234.0	234.0	234.0	234.0	232.5	231.0	231.0	231.0	231.0	229.5
35°	225.0	225.0	225.0	225.0	223.5	223.5	222.0	223.5	222.0	220.5	220.5
37.5°	216.0	216.0	214.5	214.5	214.5	214.5	213.0	214.5	213.0	211.5	210.0
40°	207.0	205.5	205.5	205.5	205.5	204.0	204.0	204.0	202.5	201.0	201.0
42.5°	196.5	196.5	195.0	196.5	195.0	195.0	193.5	195.0	193.5	192.0	190.5
45°	186.0	186.0	186.0	186.0	186.0	184.5	184.5	184.5	183.0	181.5	180.0
47.5°	175.5	175.5	175.5	177.0	175.5	174.0	174.0	174.0	172.5	171.0	169.5
50°	165.0	165.0	165.0	165.0	165.0	163.5	163.5	162.0	162.0	160.5	159.0
52.5°	154.5	154.5	154.5	156.0	154.5	153.0	153.0	153.0	151.5	150.0	148.5
55°	144.0	144.0	145.5	144.0	144.0	144.0	142.5	142.5	141.0	139.5	138.0
57.5°	133.5	133.5	133.5	133.5	133.5	132.0	132.0	132.0	130.5	129.0	127.5
60°	123.0	123.0	123.0	123.0	121.5	121.5	121.5	120.0	118.5	117.0	117.0
62.5°	111.0	112.5	112.5	111.0	111.0	111.0	109.5	109.5	108.0	108.0	106.5
65°	100.5	102.0	100.5	100.5	100.5	100.5	99.0	99.0	97.5	96.0	96.0
67.5°	90.0	90.0	90.0	90.0	90.0	88.5	88.5	87.0	87.0	85.5	85.5
70°	79.5	79.5	78.0	78.0	79.5	78.0	76.5	76.5	76.5	75.0	75.0
72.5°	69.0	69.0	67.5	67.5	67.5	67.5	66.0	66.0	64.5	64.5	63.0
75°	57.0	57.0	57.0	57.0	57.0	55.5	55.5	55.5	54.0	54.0	52.5
77.5°	46.5	46.5	46.5	46.5	46.5	45.0	45.0	45.0	45.0	43.5	43.5
80°	36.0	36.0	36.0	36.0	36.0	34.5	34.5	34.5	33.0	33.0	31.5
82.5°	25.5	25.5	25.5	25.5	25.5	24.0	24.0	24.0	22.5	22.5	22.5
85°	16.5	15.0	15.0	15.0	15.0	15.0	13.5	13.5	13.5	13.5	12.0
87.5°	7.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.5	6.0
90°	1.5	3.0	3.0	4.5	4.5	4.5	4.5	6.0	6.0	6.0	6.0
92.5°	12.0	15.0	15.0	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
95°	19.5	22.5	28.5	30.0	31.5	34.5	34.5	34.5	33.0	33.0	33.0
97.5°	28.5	33.0	33.0	36.0	37.5	43.5	48.0	49.5	52.5	52.5	52.5
100°	43.5	42.0	46.5	49.5	49.5	49.5	52.5	58.5	61.5	64.5	66.0
102.5°	63.0	57.0	57.0	58.5	61.5	67.5	63.0	64.5	67.5	70.5	75.0
105°	84.0	78.0	73.5	72.0	73.5	78.0	82.5	81.0	78.0	79.5	82.5
107.5°	111.0	100.5	91.5	90.0	90.0	90.0	94.5	99.0	102.0	99.0	96.0
110°	142.5	126.0	117.0	109.5	108.0	106.5	106.5	109.5	115.5	120.0	121.5



TEST NUMBER: P303188

CATALOG NUMBER: CTW-F-7525-20L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	177.0	157.5	142.5	135.0	130.5	124.5	123.0	123.0	126.0	132.0	136.5
115°	213.0	192.0	172.5	165.0	157.5	147.0	142.5	139.5	139.5	142.5	147.0
117.5°	250.5	228.0	207.0	195.0	189.0	174.0	163.5	157.5	156.0	156.0	159.0
120°	288.0	267.0	243.0	229.5	222.0	205.5	190.5	178.5	174.0	172.5	171.0
122.5°	325.5	303.0	280.5	267.0	258.0	238.5	223.5	205.5	198.0	190.5	189.0
125°	363.0	340.5	316.5	306.0	294.0	273.0	256.5	238.5	225.0	214.5	207.0
127.5°	402.0	376.5	352.5	345.0	331.5	310.5	292.5	274.5	259.5	244.5	234.0
130°	436.5	415.5	393.0	381.0	369.0	348.0	327.0	309.0	295.5	280.5	267.0
132.5°	471.0	450.0	429.0	421.5	409.5	385.5	366.0	345.0	330.0	315.0	303.0
135°	502.5	481.5	462.0	454.5	444.0	423.0	405.0	384.0	364.5	351.0	339.0
137.5°	532.5	513.0	493.5	486.0	477.0	457.5	441.0	423.0	405.0	391.5	373.5
140°	562.5	543.0	525.0	517.5	508.5	490.5	472.5	459.0	441.0	427.5	414.0
142.5°	591.0	571.5	553.5	546.0	540.0	522.0	505.5	493.5	478.5	463.5	451.5
145°	618.0	597.0	582.0	574.5	568.5	552.0	537.0	526.5	514.5	499.5	487.5
147.5°	642.0	622.5	607.5	603.0	597.0	583.5	568.5	556.5	547.5	534.0	522.0
150°	664.5	646.5	633.0	628.5	624.0	609.0	595.5	585.0	577.5	565.5	553.5
152.5°	688.5	670.5	658.5	654.0	648.0	636.0	624.0	612.0	606.0	597.0	585.0
155°	708.0	693.0	681.0	676.5	670.5	661.5	648.0	639.0	634.5	624.0	613.5
157.5°	727.5	712.5	702.0	697.5	693.0	684.0	672.0	663.0	660.0	651.0	642.0
160°	744.0	730.5	720.0	715.5	712.5	705.0	694.5	685.5	684.0	678.0	669.0
162.5°	759.0	745.5	738.0	733.5	730.5	726.0	715.5	706.5	705.0	700.5	693.0
165°	771.0	759.0	753.0	750.0	748.5	744.0	735.0	726.0	726.0	723.0	714.0
167.5°	784.5	772.5	766.5	765.0	763.5	759.0	753.0	745.5	745.5	742.5	735.0
170°	795.0	784.5	780.0	778.5	777.0	774.0	769.5	762.0	763.5	760.5	754.5
172.5°	802.5	795.0	792.0	789.0	789.0	787.5	784.5	778.5	780.0	778.5	772.5
175°	808.5	801.0	801.0	798.0	799.5	799.5	795.0	790.5	793.5	795.0	789.0
177.5°	813.0	807.0	807.0	807.0	808.5	808.5	807.0	802.5	805.5	808.5	802.5
180°	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0



TEST NUMBER: P303188

CATALOG NUMBER: CTW-F-7525-20L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5
2.5°	301.5	301.5	301.5	300.0	301.5	298.5	297.0	297.0
5°	298.5	298.5	298.5	298.5	298.5	298.5	297.0	297.0
7.5°	297.0	297.0	295.5	295.5	297.0	297.0	295.5	295.5
10°	292.5	292.5	292.5	292.5	294.0	292.5	292.5	292.5
12.5°	289.5	288.0	288.0	288.0	289.5	288.0	288.0	288.0
15°	283.5	283.5	283.5	283.5	285.0	283.5	283.5	283.5
17.5°	277.5	277.5	277.5	277.5	279.0	277.5	276.0	276.0
20°	271.5	270.0	270.0	270.0	270.0	270.0	268.5	268.5
22.5°	262.5	262.5	262.5	262.5	262.5	261.0	261.0	261.0
25°	255.0	253.5	253.5	255.0	253.5	253.5	252.0	252.0
27.5°	246.0	246.0	246.0	246.0	246.0	244.5	243.0	243.0
30°	238.5	237.0	237.0	237.0	237.0	235.5	234.0	234.0
32.5°	229.5	228.0	228.0	228.0	228.0	225.0	225.0	225.0
35°	219.0	219.0	219.0	219.0	217.5	216.0	216.0	214.5
37.5°	210.0	208.5	208.5	208.5	207.0	207.0	205.5	205.5
40°	199.5	199.5	199.5	199.5	198.0	196.5	195.0	195.0
42.5°	189.0	189.0	189.0	189.0	187.5	186.0	186.0	186.0
45°	180.0	178.5	178.5	178.5	177.0	177.0	175.5	175.5
47.5°	169.5	169.5	168.0	168.0	168.0	166.5	165.0	165.0
50°	159.0	159.0	159.0	157.5	156.0	156.0	156.0	154.5
52.5°	148.5	148.5	148.5	147.0	147.0	145.5	145.5	145.5
55°	138.0	138.0	138.0	136.5	136.5	135.0	135.0	135.0
57.5°	127.5	127.5	127.5	126.0	126.0	124.5	124.5	124.5
60°	117.0	117.0	115.5	115.5	115.5	114.0	114.0	114.0
62.5°	106.5	105.0	105.0	105.0	105.0	103.5	103.5	103.5
65°	96.0	94.5	94.5	94.5	94.5	93.0	93.0	93.0
67.5°	85.5	84.0	84.0	84.0	84.0	82.5	82.5	82.5
70°	73.5	73.5	73.5	73.5	73.5	72.0	72.0	72.0
72.5°	63.0	63.0	63.0	63.0	61.5	61.5	61.5	61.5
75°	52.5	52.5	52.5	52.5	51.0	51.0	51.0	51.0
77.5°	42.0	42.0	42.0	42.0	42.0	40.5	40.5	42.0
80°	31.5	31.5	31.5	31.5	31.5	30.0	30.0	30.0
82.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	19.5
85°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87.5°	4.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0
90°	6.0	7.5	7.5	7.5	7.5	9.0	9.0	9.0
92.5°	16.5	18.0	18.0	16.5	18.0	18.0	18.0	18.0
95°	31.5	33.0	33.0	31.5	33.0	33.0	33.0	33.0
97.5°	52.5	52.5	52.5	51.0	52.5	51.0	51.0	51.0
100°	67.5	67.5	69.0	69.0	70.5	70.5	69.0	70.5
102.5°	76.5	78.0	79.5	79.5	81.0	81.0	82.5	82.5
105°	84.0	85.5	87.0	87.0	90.0	91.5	93.0	93.0
107.5°	96.0	96.0	97.5	97.5	99.0	99.0	99.0	100.5
110°	120.0	115.5	114.0	114.0	112.5	112.5	112.5	112.5



TEST NUMBER: P303188

CATALOG NUMBER: CTW-F-7525-20L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	139.5	139.5	141.0	141.0	141.0	139.5	136.5	138.0
115°	151.5	154.5	154.5	156.0	156.0	157.5	157.5	159.0
117.5°	160.5	163.5	165.0	166.5	169.5	171.0	171.0	171.0
120°	172.5	174.0	175.5	175.5	177.0	178.5	180.0	180.0
122.5°	187.5	186.0	187.5	187.5	187.5	189.0	189.0	189.0
125°	204.0	202.5	201.0	201.0	199.5	199.5	199.5	199.5
127.5°	226.5	222.0	220.5	219.0	216.0	216.0	214.5	216.0
130°	256.5	249.0	246.0	243.0	237.0	237.0	234.0	234.0
132.5°	291.0	282.0	277.5	274.5	267.0	264.0	261.0	261.0
135°	328.5	319.5	313.5	310.5	301.5	298.5	295.5	292.5
137.5°	364.5	355.5	351.0	349.5	340.5	337.5	331.5	330.0
140°	403.5	394.5	390.0	387.0	376.5	372.0	369.0	367.5
142.5°	441.0	430.5	426.0	424.5	417.0	412.5	408.0	406.5
145°	477.0	466.5	462.0	462.0	453.0	450.0	445.5	442.5
147.5°	513.0	502.5	498.0	498.0	490.5	484.5	481.5	478.5
150°	546.0	537.0	532.5	532.5	525.0	519.0	514.5	513.0
152.5°	576.0	568.5	565.5	565.5	559.5	553.5	550.5	549.0
155°	606.0	600.0	595.5	595.5	591.0	585.0	583.5	582.0
157.5°	636.0	630.0	625.5	627.0	621.0	616.5	613.5	613.5
160°	663.0	658.5	654.0	654.0	651.0	646.5	640.5	642.0
162.5°	690.0	684.0	681.0	681.0	679.5	673.5	667.5	669.0
165°	709.5	706.5	705.0	705.0	703.5	699.0	694.5	694.5
167.5°	730.5	727.5	726.0	726.0	724.5	721.5	717.0	718.5
170°	751.5	748.5	747.0	745.5	745.5	742.5	739.5	739.5
172.5°	771.0	768.0	766.5	766.5	768.0	765.0	760.5	760.5
175°	787.5	786.0	783.0	783.0	783.0	780.0	777.0	777.0
177.5°	802.5	801.0	801.0	799.5	801.0	796.5	792.0	792.0
180°	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0

(END OF REPORT)