

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: P303201

Luminaire Tested: **CTW-F-7525-30L930-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-30L930-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

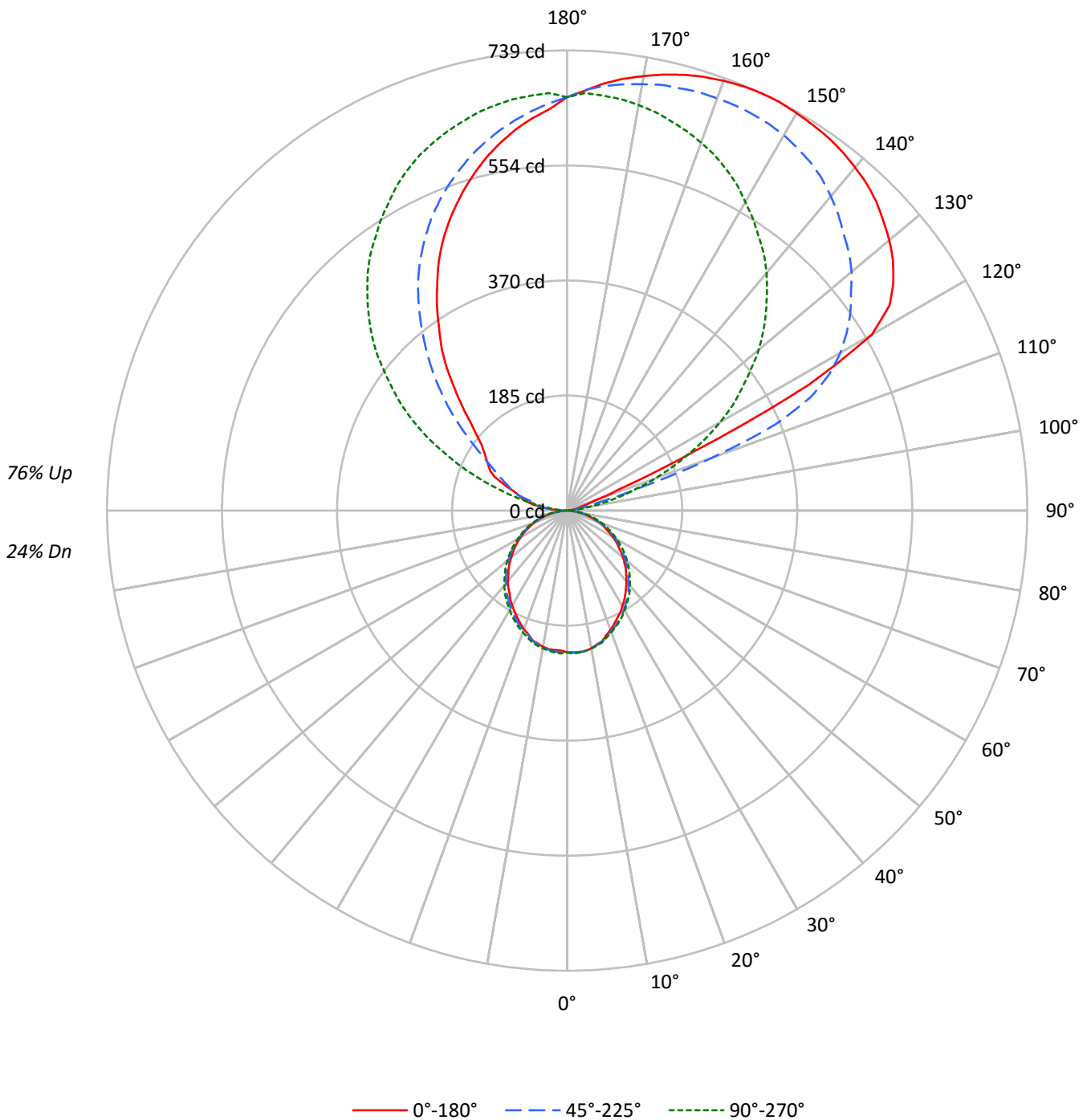
Lumens per Lamp: N/A
Luminaire Lumens: 2485.3 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 22.9
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	69	69	69	50	50	50	32	32	32	24
1	92	88	84	81	82	78	75	72	60	58	56	44	42	41	29	28	27	20
2	84	77	71	66	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	21	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	20	18	17	12
5	64	53	45	39	56	47	40	35	37	32	28	27	24	21	18	16	14	11
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	13	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	15	13	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4906	4906	4906
5°	4942	4942	4854
10°	4910	4910	4855
15°	4839	4874	4801
20°	4669	4763	4648
25°	4525	4682	4504
30°	4405	4589	4383
35°	4284	4502	4242
40°	4159	4418	4159
45°	4052	4305	4052
50°	3929	4207	3929
55°	3776	4091	3840
60°	3651	3974	3724
65°	3474	3856	3601
70°	3298	3770	3506
75°	3111	3593	3319
80°	2678	3298	2988
85°	1655	2865	2470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	0.9
10°-20°	60.7	2.4
20°-30°	89.0	3.6
30°-40°	104.4	4.2
40°-50°	105.8	4.3
50°-60°	94.3	3.8
60°-70°	72.4	2.9
70°-80°	42.9	1.7
80°-90°	12.0	0.5
90°-100°	19.7	0.8
100°-110°	81.7	3.3
110°-120°	229.6	9.2
120°-130°	331.7	13.3
130°-140°	356.7	14.4
140°-150°	339.3	13.7
150°-160°	278.6	11.2
160°-170°	181.9	7.3
170°-180°	63.0	2.5
0°-30°	171.2	6.9
0°-40°	275.6	11.1
0°-60°	475.7	19.1
0°-90°	603.1	24.3
90°-120°	331.0	13.3
90°-150°	1358.8	54.7
90°-180°	1882.0	75.7
0°-180°	2485.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	228	228	228	228	228	
5°	229	228	229	227	225	22
15°	217	218	219	216	215	61
25°	190	196	197	194	190	88
35°	163	169	171	167	161	102
45°	133	137	141	138	133	103
55°	101	105	109	106	102	90
65°	68	72	76	74	71	68
75°	37	40	43	42	40	39
85°	7	8	12	10	10	8
90°	2	1	1	4	7	1
95°	5	6	14	26	26	6
105°	22	57	89	62	75	27
115°	224	432	215	113	129	261
125°	640	556	343	182	162	567
135°	702	628	452	299	239	542
145°	731	682	536	417	358	458
155°	739	703	605	516	474	342
165°	724	702	647	591	565	205
175°	689	684	669	645	633	66
180°	664	664	664	664	664	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	227.9	227.1	227.9	227.9	228.7	228.7	228.7	227.9	228.7	229.6	228.7
5°	228.7	228.7	227.9	227.9	227.9	227.9	227.9	227.1	227.9	228.7	227.9
7.5°	227.1	227.1	227.1	226.2	226.2	226.2	226.2	226.2	226.2	227.1	227.1
10°	224.6	224.6	223.7	222.9	223.7	223.7	223.7	222.9	223.7	224.6	224.6
12.5°	220.4	221.2	220.4	220.4	220.4	220.4	220.4	220.4	221.2	222.1	221.2
15°	217.1	217.1	217.1	216.2	216.2	216.2	216.2	215.4	217.1	217.9	217.9
17.5°	209.6	209.6	209.6	210.4	211.3	211.3	211.3	210.4	210.4	212.9	212.1
20°	203.8	203.8	203.8	203.8	204.6	204.6	204.6	204.6	204.6	206.3	206.3
22.5°	197.1	198.0	198.0	198.0	198.8	198.8	198.8	198.8	198.8	200.4	201.3
25°	190.5	191.3	191.3	192.1	192.1	192.1	192.1	193.0	193.0	194.6	195.5
27.5°	184.6	184.6	184.6	185.5	185.5	186.3	186.3	187.1	187.1	188.0	189.6
30°	177.2	177.2	178.0	178.0	178.8	179.7	179.7	180.5	180.5	181.3	183.0
32.5°	170.5	170.5	170.5	171.3	172.2	172.2	172.2	173.0	173.0	173.8	175.5
35°	163.0	163.0	163.0	163.9	163.9	164.7	164.7	165.5	166.3	167.2	168.8
37.5°	155.5	155.5	155.5	156.4	156.4	157.2	158.0	158.9	158.9	159.7	161.4
40°	148.0	148.0	148.0	148.9	149.7	149.7	149.7	150.5	151.4	152.2	153.0
42.5°	140.6	139.7	140.6	140.6	141.4	142.2	142.2	143.1	143.9	144.7	145.6
45°	133.1	132.2	133.1	133.1	133.9	133.9	133.9	135.6	135.6	136.4	137.2
47.5°	124.8	124.8	124.8	124.8	126.4	125.6	126.4	127.3	128.1	128.9	129.7
50°	117.3	116.4	117.3	117.3	118.1	118.1	118.1	118.9	119.8	120.6	121.4
52.5°	109.0	109.0	109.0	109.0	109.8	110.6	110.6	111.5	111.5	112.3	113.1
55°	100.6	100.6	101.5	101.5	102.3	102.3	102.3	103.1	103.1	104.8	104.8
57.5°	93.2	93.2	93.2	93.2	94.0	94.0	94.8	94.8	94.8	96.5	97.3
60°	84.8	84.8	85.7	84.8	86.5	85.7	86.5	86.5	87.3	88.2	89.0
62.5°	76.5	77.4	77.4	77.4	77.4	78.2	78.2	79.0	79.0	79.8	80.7
65°	68.2	68.2	69.0	69.0	69.9	69.9	69.9	70.7	70.7	71.5	72.4
67.5°	61.5	61.5	60.7	60.7	61.5	61.5	62.4	62.4	62.4	63.2	63.2
70°	52.4	53.2	53.2	53.2	53.2	54.1	54.1	54.1	54.9	54.9	55.7
72.5°	44.9	44.9	44.9	44.9	44.9	45.7	45.7	45.7	46.6	46.6	47.4
75°	37.4	36.6	37.4	36.6	37.4	37.4	37.4	38.3	38.3	38.3	39.9
77.5°	29.1	29.1	29.1	29.1	29.1	29.1	29.9	29.9	30.8	31.6	31.6
80°	21.6	20.8	21.6	21.6	21.6	21.6	21.6	21.6	22.5	23.3	23.3
82.5°	13.3	13.3	13.3	13.3	14.1	14.1	14.1	14.1	15.0	15.8	15.8
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.5	7.5	8.3	8.3
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
92.5°	2.5	2.5	2.5	2.5	2.5	3.3	3.3	2.5	3.3	3.3	3.3
95°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.8	5.8	5.8	5.8
97.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.1	9.1	10.0	10.8
100°	11.6	11.6	11.6	11.6	11.6	12.5	12.5	13.3	14.1	15.8	18.3
102.5°	16.6	16.6	16.6	16.6	17.5	18.3	18.3	19.1	21.6	25.0	30.8
105°	22.5	22.5	23.3	23.3	24.1	25.0	25.8	29.1	34.1	42.4	57.4
107.5°	31.6	31.6	32.4	34.1	35.8	37.4	40.8	49.1	64.0	87.3	124.8
110°	49.1	49.1	50.7	56.6	62.4	66.5	76.5	101.5	143.1	193.8	247.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	97.3	99.0	104.0	119.8	140.6	153.9	182.1	237.0	287.8	338.5	362.6
115°	223.7	247.9	254.5	284.5	322.7	341.0	361.0	398.4	425.8	438.3	431.7
117.5°	438.3	458.3	457.5	479.9	489.9	495.7	500.7	505.7	495.7	490.7	474.9
120°	564.7	569.7	563.1	563.9	562.2	559.8	557.3	548.9	537.3	524.0	506.5
122.5°	613.8	612.2	608.8	604.7	598.0	593.0	588.9	578.1	565.6	550.6	532.3
125°	639.6	637.9	634.6	628.8	621.3	617.1	612.2	601.3	588.0	573.1	555.6
127.5°	659.6	657.1	653.7	647.9	641.3	636.3	632.9	621.3	608.0	593.9	574.7
130°	675.4	673.7	669.5	665.4	657.9	653.7	649.6	639.6	624.6	611.3	596.4
132.5°	688.7	687.8	684.5	680.4	672.9	668.7	665.4	655.4	641.3	627.1	613.8
135°	702.0	700.3	697.0	692.8	685.3	682.0	677.9	669.5	655.4	641.3	628.0
137.5°	712.0	709.5	707.0	703.6	696.2	693.7	689.5	680.4	667.9	656.2	644.6
140°	719.4	717.0	714.5	712.0	705.3	702.8	699.5	690.3	677.9	667.9	658.7
142.5°	726.1	723.6	721.9	719.4	713.6	711.1	708.6	699.5	688.7	679.5	672.0
145°	731.1	728.6	727.8	725.3	720.3	717.8	715.3	706.1	696.2	687.0	682.0
147.5°	734.4	733.6	731.9	729.4	725.3	723.6	721.1	712.8	702.0	695.3	689.5
150°	736.9	736.9	735.2	733.6	729.4	727.8	725.3	717.0	708.6	702.8	696.2
152.5°	739.4	739.4	737.7	735.2	731.9	730.3	726.9	719.4	712.0	707.8	700.3
155°	739.4	740.2	738.6	735.2	732.8	730.3	727.8	720.3	713.6	710.3	702.8
157.5°	737.7	738.6	736.1	733.6	731.1	729.4	726.1	719.4	714.5	712.0	704.5
160°	734.4	735.2	733.6	731.1	728.6	727.8	724.4	718.6	714.5	712.0	704.5
162.5°	730.3	731.1	730.3	727.8	726.1	725.3	721.9	717.0	712.8	711.1	704.5
165°	724.4	725.3	724.4	721.9	721.1	719.4	717.0	712.0	708.6	708.6	702.0
167.5°	717.0	717.8	717.0	712.8	712.8	711.1	710.3	706.1	704.5	705.3	700.3
170°	708.6	709.5	707.8	705.3	706.1	704.5	703.6	701.1	699.5	700.3	695.3
172.5°	699.5	700.3	699.5	697.0	697.8	697.0	696.2	692.8	692.0	694.5	690.3
175°	688.7	688.7	688.7	686.2	687.8	687.0	686.2	684.5	684.5	687.0	684.5
177.5°	675.4	675.4	676.2	675.4	677.0	676.2	676.2	675.4	675.4	678.7	676.2
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	227.1	226.2	226.2	227.1	227.1	227.1	227.9	228.7	228.7	229.6	228.7
5°	227.1	226.2	225.4	226.2	227.1	227.1	227.1	227.9	227.9	228.7	227.9
7.5°	225.4	224.6	224.6	225.4	225.4	225.4	225.4	226.2	226.2	227.1	226.2
10°	222.9	222.1	222.1	222.1	222.9	222.9	223.7	224.6	224.6	224.6	223.7
12.5°	220.4	219.6	219.6	219.6	220.4	220.4	220.4	221.2	222.1	222.1	221.2
15°	215.4	214.6	214.6	215.4	216.2	216.2	217.1	217.9	218.7	218.7	217.9
17.5°	211.3	210.4	210.4	211.3	211.3	212.1	212.1	212.9	212.1	212.9	212.1
20°	205.4	204.6	204.6	205.4	205.4	206.3	206.3	207.1	207.9	207.9	207.1
22.5°	200.4	198.8	199.6	199.6	200.4	200.4	201.3	202.1	202.1	202.9	202.1
25°	194.6	193.8	193.8	194.6	194.6	195.5	195.5	196.3	197.1	197.1	196.3
27.5°	188.8	188.0	187.1	188.0	188.8	189.6	189.6	190.5	191.3	191.3	190.5
30°	182.1	181.3	181.3	182.1	182.1	183.0	183.8	183.8	185.5	184.6	183.8
32.5°	176.3	175.5	174.7	175.5	176.3	176.3	177.2	178.0	178.0	178.0	177.2
35°	168.8	168.0	168.0	168.0	168.8	169.7	170.5	170.5	171.3	171.3	170.5
37.5°	162.2	161.4	160.5	161.4	162.2	163.0	163.0	163.9	163.9	164.7	163.9
40°	154.7	153.9	153.9	153.9	154.7	155.5	155.5	156.4	157.2	157.2	156.4
42.5°	147.2	146.4	146.4	146.4	147.2	148.0	148.0	148.9	149.7	148.9	148.9
45°	139.7	138.9	138.9	138.9	139.7	139.7	140.6	141.4	141.4	141.4	140.6
47.5°	130.6	131.4	131.4	131.4	131.4	132.2	132.2	133.1	133.1	133.9	133.1
50°	122.3	123.1	123.1	123.1	123.9	123.9	124.8	124.8	124.8	125.6	124.8
52.5°	114.8	114.8	114.8	115.6	115.6	115.6	116.4	117.3	117.3	117.3	116.4
55°	106.5	106.5	107.3	108.1	108.1	108.1	108.1	109.0	109.0	109.0	109.0
57.5°	98.1	98.1	99.0	99.8	99.8	99.8	99.8	100.6	100.6	100.6	99.8
60°	89.8	89.8	90.7	91.5	91.5	91.5	91.5	92.3	92.3	92.3	92.3
62.5°	81.5	81.5	82.3	83.2	83.2	83.2	83.2	84.0	84.0	84.0	84.0
65°	73.2	73.2	74.0	74.9	74.9	74.9	75.7	75.7	76.5	75.7	76.5
67.5°	64.9	65.7	65.7	66.5	66.5	66.5	67.4	67.4	68.2	68.2	68.2
70°	56.6	57.4	57.4	58.2	58.2	58.2	58.2	59.1	59.9	59.9	59.9
72.5°	48.2	48.2	49.1	49.9	49.9	49.9	50.7	50.7	51.6	51.6	51.6
75°	39.9	40.8	40.8	41.6	41.6	41.6	42.4	42.4	43.2	43.2	43.2
77.5°	31.6	32.4	33.3	34.1	33.3	34.1	34.1	34.9	34.9	34.9	35.8
80°	24.1	25.0	25.0	25.8	25.8	25.8	25.8	26.6	27.4	26.6	27.4
82.5°	16.6	16.6	17.5	18.3	18.3	18.3	18.3	19.1	19.1	19.1	20.0
85°	9.1	10.0	10.0	10.0	10.8	10.8	11.6	11.6	11.6	11.6	12.5
87.5°	2.5	2.5	3.3	4.2	4.2	4.2	4.2	5.0	5.0	5.0	5.8
90°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
92.5°	3.3	3.3	4.2	4.2	5.0	5.0	6.7	7.5	6.7	5.0	6.7
95°	6.7	8.3	10.0	13.3	15.0	15.8	20.0	20.0	17.5	14.1	13.3
97.5°	13.3	16.6	20.8	28.3	31.6	35.8	39.9	38.3	31.6	25.8	24.1
100°	22.5	29.9	42.4	55.7	61.5	66.5	67.4	61.5	51.6	42.4	38.3
102.5°	41.6	59.1	82.3	103.1	105.6	108.1	103.1	91.5	76.5	63.2	54.9
105°	84.8	119.8	148.0	160.5	159.7	157.2	143.1	125.6	106.5	89.0	74.9
107.5°	174.7	207.9	225.4	219.6	212.1	204.6	183.0	163.0	138.9	117.3	102.3
110°	286.9	296.1	289.4	271.1	259.5	249.5	224.6	199.6	173.0	149.7	128.9



TEST NUMBER: P303201

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	367.6	355.1	335.2	311.9	300.3	287.8	262.0	237.9	207.1	183.0	159.7
115°	418.4	397.6	374.3	349.3	336.9	324.4	299.4	272.0	241.2	215.4	192.1
117.5°	454.1	430.8	408.4	384.3	371.0	358.5	332.7	305.2	274.5	251.2	226.2
120°	484.9	463.3	439.2	415.0	402.6	390.9	364.3	336.9	306.9	283.6	257.8
122.5°	512.3	490.7	466.6	443.3	431.7	420.0	393.4	366.0	337.7	315.2	288.6
125°	535.6	515.7	493.2	469.1	458.3	446.6	420.0	394.2	367.6	342.7	319.4
127.5°	559.8	539.8	518.2	494.9	483.2	470.8	445.8	420.0	395.1	371.8	349.3
130°	579.7	559.8	539.8	517.3	505.7	494.0	469.9	445.0	421.7	401.7	377.6
132.5°	598.8	579.7	559.8	536.5	525.7	514.8	493.2	469.9	449.1	427.5	405.1
135°	616.3	596.4	577.2	554.8	544.0	534.8	513.2	491.6	472.4	451.6	430.8
137.5°	630.5	612.2	591.4	570.6	561.4	553.1	532.3	512.3	494.0	474.9	455.8
140°	643.8	624.6	604.7	585.5	576.4	568.9	549.8	532.3	514.8	498.2	479.1
142.5°	656.2	636.3	616.3	598.8	591.4	583.9	567.2	550.6	534.0	519.0	500.7
145°	665.4	646.3	627.1	611.3	605.5	598.0	581.4	567.2	552.3	536.5	520.7
147.5°	674.5	656.2	638.8	623.8	618.0	611.3	596.4	583.9	569.7	555.6	539.8
150°	682.0	663.7	648.7	635.4	629.6	624.6	609.7	598.8	585.5	572.2	558.9
152.5°	686.2	670.4	656.2	645.4	640.4	635.4	623.0	613.8	600.5	590.5	576.4
155°	688.7	675.4	662.9	653.7	649.6	646.3	633.8	625.5	614.6	604.7	592.2
157.5°	691.2	678.7	667.9	660.4	657.1	652.9	642.1	635.4	626.3	618.0	606.3
160°	692.0	681.2	672.0	665.4	662.9	659.6	650.4	644.6	636.3	628.8	618.0
162.5°	692.0	683.7	675.4	670.4	667.9	664.6	657.1	652.9	645.4	638.8	629.6
165°	692.0	684.5	677.0	673.7	671.2	669.5	662.9	658.7	652.1	647.1	639.6
167.5°	690.3	683.7	678.7	676.2	674.5	672.0	667.0	663.7	658.7	655.4	647.9
170°	687.0	682.0	677.0	676.2	675.4	673.7	669.5	667.9	664.6	661.2	655.4
172.5°	683.7	678.7	675.4	675.4	674.5	673.7	670.4	670.4	667.9	666.2	660.4
175°	677.0	673.7	671.2	672.0	672.0	671.2	669.5	670.4	669.5	668.7	665.4
177.5°	670.4	667.9	667.0	668.7	668.7	668.7	667.9	670.4	670.4	671.2	667.9
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7



TEST NUMBER: P303201

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	227.1	226.2	226.2	226.2	226.2	227.1	227.1	226.2	227.9	228.7	227.9
5°	226.2	225.4	225.4	225.4	226.2	226.2	226.2	226.2	227.1	227.9	227.1
7.5°	225.4	223.7	223.7	223.7	224.6	224.6	224.6	223.7	225.4	226.2	224.6
10°	222.1	221.2	221.2	221.2	222.1	222.1	222.1	221.2	222.1	222.9	222.1
12.5°	219.6	218.7	218.7	218.7	218.7	219.6	218.7	218.7	219.6	220.4	218.7
15°	215.4	213.8	213.8	213.8	214.6	214.6	214.6	213.8	216.2	215.4	214.6
17.5°	210.4	208.8	208.8	208.8	209.6	209.6	208.8	207.9	209.6	209.6	208.8
20°	205.4	203.8	203.8	203.8	204.6	204.6	204.6	203.8	204.6	204.6	203.8
22.5°	200.4	198.8	198.8	198.8	199.6	199.6	198.8	198.0	199.6	198.8	198.0
25°	194.6	193.8	193.8	193.8	193.8	193.8	193.0	192.1	193.8	193.0	192.1
27.5°	188.8	188.0	188.0	188.0	188.0	188.0	187.1	186.3	187.1	186.3	186.3
30°	183.0	181.3	181.3	182.1	182.1	181.3	180.5	180.5	181.3	180.5	179.7
32.5°	176.3	175.5	174.7	175.5	175.5	175.5	173.8	173.8	173.8	173.0	173.0
35°	169.7	168.8	168.0	168.8	168.8	168.0	167.2	167.2	167.2	166.3	165.5
37.5°	162.2	161.4	161.4	161.4	161.4	161.4	159.7	160.5	160.5	158.9	158.9
40°	154.7	153.9	153.9	154.7	154.7	153.9	153.0	153.9	153.0	152.2	151.4
42.5°	148.0	146.4	147.2	147.2	147.2	146.4	146.4	146.4	145.6	144.7	143.9
45°	139.7	138.9	139.7	139.7	139.7	138.9	138.9	138.1	138.1	137.2	136.4
47.5°	132.2	131.4	132.2	132.2	132.2	130.6	131.4	130.6	130.6	128.9	128.9
50°	123.9	123.9	124.8	123.9	123.9	123.1	123.1	122.3	122.3	121.4	120.6
52.5°	116.4	116.4	116.4	116.4	116.4	115.6	115.6	114.8	114.8	113.9	113.1
55°	108.1	108.1	109.0	109.0	108.1	107.3	107.3	107.3	106.5	105.6	104.8
57.5°	99.8	100.6	100.6	99.8	100.6	99.8	99.0	99.0	98.1	97.3	97.3
60°	92.3	92.3	92.3	92.3	92.3	91.5	91.5	91.5	89.8	89.0	89.0
62.5°	84.0	84.8	84.0	84.0	84.0	83.2	83.2	83.2	82.3	81.5	81.5
65°	76.5	76.5	76.5	75.7	75.7	75.7	75.7	74.9	74.0	73.2	73.2
67.5°	68.2	68.2	68.2	68.2	67.4	67.4	66.5	66.5	65.7	65.7	64.9
70°	59.9	59.9	59.9	59.9	59.1	59.1	59.1	58.2	57.4	57.4	57.4
72.5°	51.6	51.6	51.6	51.6	51.6	50.7	50.7	49.9	49.9	49.9	49.1
75°	43.2	43.2	43.2	43.2	43.2	42.4	42.4	41.6	41.6	41.6	40.8
77.5°	34.9	34.9	34.9	34.9	34.9	34.9	34.1	34.1	34.1	33.3	33.3
80°	27.4	27.4	26.6	27.4	26.6	26.6	26.6	26.6	25.8	25.8	25.0
82.5°	19.1	20.0	19.1	19.1	19.1	19.1	19.1	18.3	18.3	18.3	17.5
85°	12.5	12.5	12.5	11.6	11.6	11.6	10.8	10.8	10.0	10.8	10.0
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	5.0	4.2
90°	1.7	2.5	2.5	2.5	3.3	4.2	3.3	4.2	4.2	5.0	5.0
92.5°	10.0	11.6	11.6	11.6	12.5	13.3	12.5	13.3	13.3	13.3	12.5
95°	15.8	18.3	23.3	24.1	25.8	27.4	27.4	26.6	25.8	25.8	25.0
97.5°	22.5	26.6	27.4	29.1	30.8	35.8	38.3	40.8	42.4	42.4	41.6
100°	34.9	34.1	38.3	40.8	39.1	39.9	42.4	47.4	49.9	51.6	53.2
102.5°	49.9	45.7	45.7	47.4	49.9	54.1	50.7	52.4	54.1	56.6	60.7
105°	68.2	61.5	59.1	58.2	59.1	62.4	66.5	64.9	62.4	64.0	65.7
107.5°	89.8	81.5	74.0	72.4	72.4	72.4	75.7	79.8	82.3	79.8	75.7
110°	114.8	102.3	93.2	89.0	87.3	85.7	84.8	89.0	94.0	96.5	97.3



TEST NUMBER: P303201

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	142.2	126.4	114.8	110.6	105.6	100.6	99.0	99.8	101.5	107.3	109.8
115°	173.0	154.7	138.9	133.9	128.9	118.1	113.9	112.3	113.1	114.8	118.9
117.5°	203.8	185.5	166.3	158.9	153.0	141.4	130.6	127.3	125.6	126.4	127.3
120°	237.0	217.1	196.3	187.1	179.7	167.2	152.2	143.9	139.7	138.9	138.1
122.5°	267.8	248.7	230.4	218.7	208.8	193.0	178.0	166.3	158.9	153.0	151.4
125°	297.8	278.6	261.2	252.0	242.0	224.6	206.3	193.0	182.1	173.0	167.2
127.5°	326.9	308.6	290.3	282.0	273.6	254.5	237.0	223.7	209.6	198.0	188.8
130°	355.1	336.9	320.2	312.7	301.9	283.6	267.0	252.0	240.4	227.9	214.6
132.5°	383.4	366.0	350.2	341.8	332.7	313.6	296.9	282.8	268.6	257.8	247.0
135°	409.2	391.7	376.8	370.1	359.3	342.7	326.9	313.6	299.4	286.9	277.0
137.5°	434.2	417.5	402.6	395.9	386.8	371.0	356.0	343.5	328.5	316.1	306.9
140°	457.5	440.8	426.7	420.0	412.5	397.6	382.6	372.6	357.6	346.0	336.0
142.5°	480.7	464.9	450.8	445.0	437.5	423.4	409.2	400.9	387.6	376.8	366.0
145°	501.5	485.7	473.3	468.3	461.6	447.5	435.0	426.7	416.7	405.9	395.1
147.5°	521.5	506.5	494.9	490.7	484.9	472.4	459.9	452.5	445.0	433.3	423.4
150°	541.5	525.7	515.7	511.5	506.5	495.7	484.1	475.7	469.9	458.3	450.0
152.5°	559.8	546.4	535.6	530.6	526.5	517.3	505.7	497.4	494.0	484.1	474.9
155°	576.4	563.1	554.8	548.9	546.4	536.5	527.3	518.2	516.5	505.7	499.0
157.5°	590.5	578.9	569.7	566.4	563.1	555.6	546.4	539.0	537.3	528.1	520.7
160°	604.7	593.0	586.4	583.0	579.7	571.4	563.9	556.4	556.4	549.8	543.1
162.5°	616.3	606.3	600.5	598.0	595.5	589.7	581.4	573.9	573.9	568.9	563.1
165°	627.1	618.0	613.0	611.3	608.0	603.8	598.0	590.5	591.4	586.4	581.4
167.5°	637.9	628.8	624.6	623.0	621.3	617.1	612.2	605.5	606.3	603.8	598.0
170°	646.3	637.9	634.6	632.9	632.1	628.8	625.5	619.6	620.5	618.8	613.8
172.5°	652.1	645.4	643.8	642.1	642.1	639.6	637.1	632.1	632.9	633.8	628.0
175°	657.1	651.2	650.4	649.6	649.6	648.7	647.1	642.9	644.6	646.3	641.3
177.5°	661.2	657.1	657.1	657.1	657.1	657.1	656.2	652.9	654.6	657.9	652.9
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7



TEST NUMBER: P303201

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	227.9	227.9	227.9	227.9	227.9	226.2	225.4	224.6
5°	227.1	227.1	226.2	226.2	227.1	226.2	225.4	224.6
7.5°	224.6	224.6	224.6	224.6	225.4	224.6	223.7	224.6
10°	222.1	222.1	221.2	221.2	222.1	222.1	221.2	222.1
12.5°	218.7	218.7	217.9	218.7	218.7	218.7	218.7	218.7
15°	214.6	213.8	213.8	213.8	214.6	214.6	214.6	215.4
17.5°	208.8	208.8	207.9	208.8	209.6	208.8	207.9	207.9
20°	203.8	202.9	202.9	202.9	203.8	202.9	202.9	202.9
22.5°	198.0	197.1	197.1	197.1	198.0	197.1	196.3	196.3
25°	191.3	191.3	191.3	191.3	191.3	190.5	189.6	189.6
27.5°	185.5	185.5	184.6	185.5	184.6	183.8	183.0	183.0
30°	178.8	178.8	178.0	178.8	178.0	177.2	176.3	176.3
32.5°	172.2	171.3	171.3	172.2	171.3	170.5	169.7	169.7
35°	164.7	164.7	164.7	164.7	163.9	163.0	162.2	161.4
37.5°	158.0	157.2	157.2	157.2	156.4	155.5	155.5	155.5
40°	150.5	149.7	149.7	150.5	148.9	148.0	148.0	148.0
42.5°	143.1	143.1	142.2	142.2	141.4	140.6	139.7	139.7
45°	134.7	135.6	134.7	134.7	133.9	133.1	132.2	133.1
47.5°	127.3	127.3	127.3	127.3	126.4	125.6	124.8	125.6
50°	119.8	119.8	119.8	119.8	118.1	118.1	117.3	117.3
52.5°	112.3	112.3	111.5	111.5	110.6	110.6	109.8	109.8
55°	104.0	104.0	104.0	104.0	103.1	102.3	102.3	102.3
57.5°	96.5	96.5	95.6	95.6	94.8	94.8	94.0	94.8
60°	88.2	88.2	88.2	88.2	87.3	87.3	86.5	86.5
62.5°	80.7	79.8	79.8	79.8	79.0	79.0	79.0	79.0
65°	72.4	72.4	71.5	72.4	71.5	71.5	70.7	70.7
67.5°	64.9	64.0	64.0	64.0	64.0	63.2	63.2	63.2
70°	56.6	55.7	55.7	55.7	55.7	55.7	54.9	55.7
72.5°	48.2	48.2	48.2	48.2	47.4	47.4	47.4	47.4
75°	40.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
77.5°	33.3	32.4	32.4	32.4	32.4	31.6	31.6	31.6
80°	25.0	25.0	25.0	24.1	24.1	24.1	24.1	24.1
82.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	15.8
85°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
87.5°	4.2	4.2	4.2	4.2	5.0	5.0	5.0	5.0
90°	5.0	5.0	5.8	5.8	5.8	5.8	6.7	6.7
92.5°	13.3	13.3	14.1	14.1	13.3	13.3	14.1	14.1
95°	25.8	25.8	25.8	25.8	25.0	25.0	25.8	25.8
97.5°	41.6	40.8	41.6	40.8	39.9	39.9	39.9	39.1
100°	54.9	54.9	55.7	55.7	55.7	55.7	56.6	55.7
102.5°	62.4	63.2	64.0	64.0	64.9	65.7	65.7	65.7
105°	67.4	68.2	69.9	70.7	73.2	74.0	74.9	74.9
107.5°	77.4	77.4	78.2	79.0	79.0	79.8	80.7	80.7
110°	95.6	92.3	91.5	91.5	89.8	89.8	90.7	91.5



TEST NUMBER: P303201

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	112.3	113.1	113.1	113.9	110.6	109.0	109.8	109.8
115°	123.1	124.8	124.8	126.4	126.4	127.3	128.9	128.9
117.5°	130.6	133.1	133.9	134.7	137.2	138.1	139.7	139.7
120°	139.7	141.4	142.2	143.1	143.9	144.7	145.6	146.4
122.5°	151.4	150.5	151.4	151.4	152.2	153.0	153.0	153.9
125°	164.7	163.9	163.0	163.9	162.2	161.4	161.4	162.2
127.5°	183.0	179.7	178.0	176.3	175.5	174.7	173.8	173.0
130°	206.3	201.3	198.0	197.1	193.0	190.5	188.8	189.6
132.5°	237.0	229.6	226.2	224.6	217.1	212.9	211.3	211.3
135°	267.8	259.5	256.2	252.0	247.0	242.9	238.7	238.7
137.5°	296.9	291.1	286.9	282.8	277.8	273.6	269.5	268.6
140°	326.0	319.4	315.2	311.9	307.7	303.6	299.4	301.9
142.5°	356.0	348.5	344.3	343.5	337.7	333.5	331.0	331.9
145°	385.1	377.6	374.3	372.6	367.6	362.6	360.1	358.5
147.5°	414.2	407.5	404.2	402.6	397.6	392.6	390.1	389.2
150°	441.6	435.8	432.5	430.0	426.7	422.5	417.5	417.5
152.5°	468.3	462.4	458.3	458.3	455.0	450.0	445.0	447.5
155°	492.4	487.4	484.9	484.1	480.7	476.6	472.4	474.1
157.5°	515.7	509.9	508.2	506.5	504.9	501.5	497.4	499.0
160°	538.1	533.1	531.5	529.8	528.1	524.8	520.7	521.5
162.5°	559.8	556.4	553.1	552.3	551.4	547.3	543.1	544.0
165°	578.1	574.7	572.2	571.4	571.4	568.1	563.9	564.7
167.5°	595.5	591.4	589.7	588.0	588.9	586.4	583.0	584.7
170°	611.3	608.8	607.2	606.3	607.2	603.8	601.3	602.2
172.5°	626.3	624.6	623.0	622.1	623.8	621.3	618.0	618.8
175°	639.6	637.9	637.1	636.3	637.1	633.8	632.1	632.9
177.5°	652.1	651.2	650.4	649.6	651.2	647.1	643.8	645.4
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7

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