

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: P303203

Luminaire Tested: **CTW-F-7525-30L940-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303203
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-7525-30L940-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

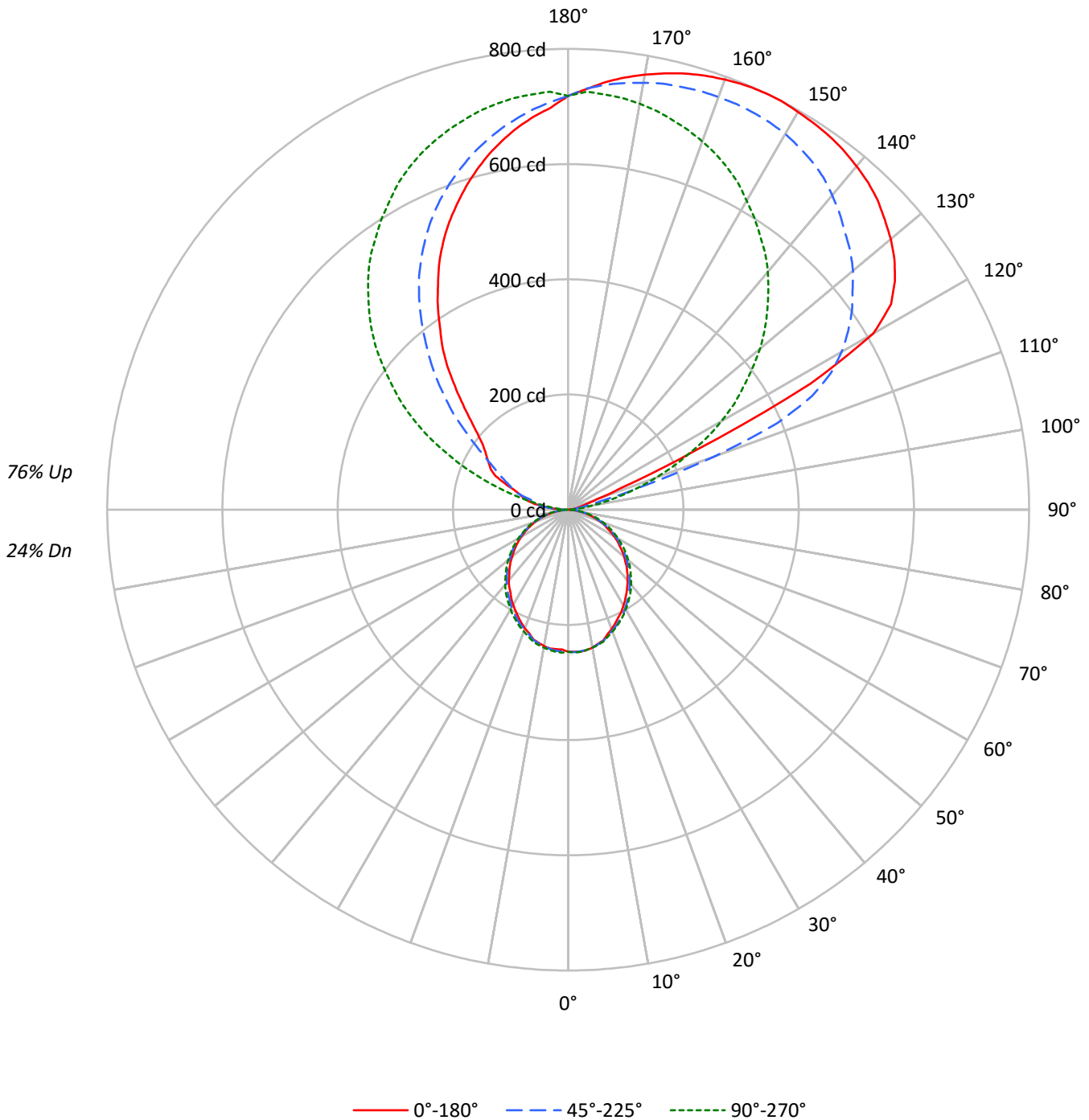
Lumens per Lamp: N/A
Luminaire Lumens: 2689.3 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	5309	5309	5309
5°	5348	5348	5251
10°	5312	5312	5253
15°	5235	5275	5195
20°	5052	5155	5031
25°	4896	5067	4874
30°	4765	4967	4743
35°	4636	4872	4589
40°	4502	4780	4502
45°	4384	4658	4384
50°	4250	4551	4250
55°	4087	4425	4155
60°	3953	4301	4030
65°	3759	4172	3897
70°	3569	4079	3795
75°	3369	3893	3593
80°	2901	3570	3236
85°	1778	3112	2668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.9
10°-20°	65.6	2.4
20°-30°	96.4	3.6
30°-40°	113.0	4.2
40°-50°	114.5	4.3
50°-60°	102.0	3.8
60°-70°	78.3	2.9
70°-80°	46.5	1.7
80°-90°	13.0	0.5
90°-100°	21.3	0.8
100°-110°	88.4	3.3
110°-120°	248.5	9.2
120°-130°	359.0	13.3
130°-140°	386.0	14.4
140°-150°	367.2	13.7
150°-160°	301.4	11.2
160°-170°	196.8	7.3
170°-180°	68.2	2.5
0°-30°	185.3	6.9
0°-40°	298.3	11.1
0°-60°	514.8	19.1
0°-90°	652.6	24.3
90°-120°	358.2	13.3
90°-150°	1470.3	54.7
90°-180°	2037.0	75.7
0°-180°	2689.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	247	247	247	247	247	
5°	248	247	248	246	243	23
15°	235	236	237	234	233	66
25°	206	212	213	210	205	95
35°	176	183	185	181	175	110
45°	144	148	153	149	144	111
55°	109	113	118	115	111	98
65°	74	78	82	80	76	74
75°	40	43	47	45	43	42
85°	7	9	13	11	11	9
90°	2	1	1	4	7	1
95°	5	6	15	28	28	6
105°	24	62	96	68	81	29
115°	242	467	233	122	140	282
125°	692	601	371	197	176	614
135°	760	680	489	324	258	586
145°	791	738	580	451	388	496
155°	800	760	654	559	513	370
165°	784	760	700	640	611	222
175°	745	741	724	698	685	72
180°	718	718	718	718	718	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6
2.5°	246.6	245.7	246.6	246.6	247.5	247.5	247.5	246.6	247.5	248.4	247.5
5°	247.5	247.5	246.6	246.6	246.6	246.6	246.6	245.7	246.6	247.5	246.6
7.5°	245.7	245.7	245.7	244.8	244.8	244.8	244.8	244.8	244.8	245.7	245.7
10°	243.0	243.0	242.1	241.2	242.1	242.1	242.1	241.2	242.1	243.0	243.0
12.5°	238.5	239.4	238.5	238.5	238.5	238.5	238.5	238.5	239.4	240.3	239.4
15°	234.9	234.9	234.9	234.0	234.0	234.0	234.0	233.1	234.9	235.8	235.8
17.5°	226.8	226.8	226.8	227.7	228.6	228.6	228.6	227.7	227.7	230.4	229.5
20°	220.5	220.5	220.5	220.5	221.4	221.4	221.4	221.4	221.4	223.2	223.2
22.5°	213.3	214.2	214.2	214.2	215.1	215.1	215.1	215.1	215.1	216.9	217.8
25°	206.1	207.0	207.0	207.9	207.9	207.9	207.9	208.8	208.8	210.6	211.5
27.5°	199.8	199.8	199.8	200.7	200.7	201.6	201.6	202.5	202.5	203.4	205.2
30°	191.7	191.7	192.6	192.6	193.5	194.4	194.4	195.3	195.3	196.2	198.0
32.5°	184.5	184.5	184.5	185.4	186.3	186.3	186.3	187.2	187.2	188.1	189.9
35°	176.4	176.4	176.4	177.3	177.3	178.2	178.2	179.1	180.0	180.9	182.7
37.5°	168.3	168.3	168.3	169.2	169.2	170.1	171.0	171.9	171.9	172.8	174.6
40°	160.2	160.2	160.2	161.1	162.0	162.0	162.0	162.9	163.8	164.7	165.6
42.5°	152.1	151.2	152.1	152.1	153.0	153.9	153.9	154.8	155.7	156.6	157.5
45°	144.0	143.1	144.0	144.0	144.9	144.9	144.9	146.7	146.7	147.6	148.5
47.5°	135.0	135.0	135.0	135.0	136.8	135.9	136.8	137.7	138.6	139.5	140.4
50°	126.9	126.0	126.9	126.9	127.8	127.8	127.8	128.7	129.6	130.5	131.4
52.5°	117.9	117.9	117.9	117.9	118.8	119.7	119.7	120.6	120.6	121.5	122.4
55°	108.9	108.9	109.8	109.8	110.7	110.7	110.7	111.6	111.6	113.4	113.4
57.5°	100.8	100.8	100.8	100.8	101.7	101.7	102.6	102.6	102.6	104.4	105.3
60°	91.8	91.8	92.7	91.8	93.6	92.7	93.6	93.6	94.5	95.4	96.3
62.5°	82.8	83.7	83.7	83.7	83.7	84.6	84.6	85.5	85.5	86.4	87.3
65°	73.8	73.8	74.7	74.7	75.6	75.6	75.6	76.5	76.5	77.4	78.3
67.5°	66.6	66.6	65.7	65.7	66.6	66.6	67.5	67.5	67.5	68.4	68.4
70°	56.7	57.6	57.6	57.6	57.6	58.5	58.5	58.5	59.4	59.4	60.3
72.5°	48.6	48.6	48.6	48.6	48.6	49.5	49.5	49.5	50.4	50.4	51.3
75°	40.5	39.6	40.5	39.6	40.5	40.5	40.5	41.4	41.4	41.4	43.2
77.5°	31.5	31.5	31.5	31.5	31.5	31.5	32.4	32.4	33.3	34.2	34.2
80°	23.4	22.5	23.4	23.4	23.4	23.4	23.4	23.4	24.3	25.2	25.2
82.5°	14.4	14.4	14.4	14.4	15.3	15.3	15.3	15.3	16.2	17.1	17.1
85°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.1	8.1	9.0	9.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8
90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9
92.5°	2.7	2.7	2.7	2.7	2.7	3.6	3.6	2.7	3.6	3.6	3.6
95°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.3	6.3	6.3	6.3
97.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.9	9.9	10.8	11.7
100°	12.6	12.6	12.6	12.6	12.6	13.5	13.5	14.4	15.3	17.1	19.8
102.5°	18.0	18.0	18.0	18.0	18.9	19.8	19.8	20.7	23.4	27.0	33.3
105°	24.3	24.3	25.2	25.2	26.1	27.0	27.9	31.5	36.9	45.9	62.1
107.5°	34.2	34.2	35.1	36.9	38.7	40.5	44.1	53.1	69.3	94.5	135.0
110°	53.1	53.1	54.9	61.2	67.5	72.0	82.8	109.8	154.8	209.7	268.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.3	107.1	112.5	129.6	152.1	166.5	197.1	256.5	311.4	366.3	392.4
115°	242.1	268.2	275.4	307.8	349.2	369.0	390.6	431.1	460.8	474.3	467.1
117.5°	474.3	495.9	495.0	519.3	530.1	536.4	541.8	547.2	536.4	531.0	513.9
120°	611.1	616.5	609.3	610.2	608.4	605.7	603.0	594.0	581.4	567.0	548.1
122.5°	664.2	662.4	658.8	654.3	647.1	641.7	637.2	625.5	612.0	595.8	576.0
125°	692.1	690.3	686.7	680.4	672.3	667.8	662.4	650.7	636.3	620.1	601.2
127.5°	713.7	711.0	707.4	701.1	693.9	688.5	684.9	672.3	657.9	642.6	621.9
130°	730.8	729.0	724.5	720.0	711.9	707.4	702.9	692.1	675.9	661.5	645.3
132.5°	745.2	744.3	740.7	736.2	728.1	723.6	720.0	709.2	693.9	678.6	664.2
135°	759.6	757.8	754.2	749.7	741.6	738.0	733.5	724.5	709.2	693.9	679.5
137.5°	770.4	767.7	765.0	761.4	753.3	750.6	746.1	736.2	722.7	710.1	697.5
140°	778.5	775.8	773.1	770.4	763.2	760.5	756.9	747.0	733.5	722.7	712.8
142.5°	785.7	783.0	781.2	778.5	772.2	769.5	766.8	756.9	745.2	735.3	727.2
145°	791.1	788.4	787.5	784.8	779.4	776.7	774.0	764.1	753.3	743.4	738.0
147.5°	794.7	793.8	792.0	789.3	784.8	783.0	780.3	771.3	759.6	752.4	746.1
150°	797.4	797.4	795.6	793.8	789.3	787.5	784.8	775.8	766.8	760.5	753.3
152.5°	800.1	800.1	798.3	795.6	792.0	790.2	786.6	778.5	770.4	765.9	757.8
155°	800.1	801.0	799.2	795.6	792.9	790.2	787.5	779.4	772.2	768.6	760.5
157.5°	798.3	799.2	796.5	793.8	791.1	789.3	785.7	778.5	773.1	770.4	762.3
160°	794.7	795.6	793.8	791.1	788.4	787.5	783.9	777.6	773.1	770.4	762.3
162.5°	790.2	791.1	790.2	787.5	785.7	784.8	781.2	775.8	771.3	769.5	762.3
165°	783.9	784.8	783.9	781.2	780.3	778.5	775.8	770.4	766.8	766.8	759.6
167.5°	775.8	776.7	775.8	771.3	771.3	769.5	768.6	764.1	762.3	763.2	757.8
170°	766.8	767.7	765.9	763.2	764.1	762.3	761.4	758.7	756.9	757.8	752.4
172.5°	756.9	757.8	756.9	754.2	755.1	754.2	753.3	749.7	748.8	751.5	747.0
175°	745.2	745.2	745.2	742.5	744.3	743.4	742.5	740.7	740.7	743.4	740.7
177.5°	730.8	730.8	731.7	730.8	732.6	731.7	731.7	730.8	730.8	734.4	731.7
180°	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6
2.5°	245.7	244.8	244.8	245.7	245.7	245.7	246.6	247.5	247.5	248.4	247.5
5°	245.7	244.8	243.9	244.8	245.7	245.7	245.7	246.6	246.6	247.5	246.6
7.5°	243.9	243.0	243.0	243.9	243.9	243.9	243.9	244.8	244.8	245.7	244.8
10°	241.2	240.3	240.3	240.3	241.2	241.2	242.1	243.0	243.0	243.0	242.1
12.5°	238.5	237.6	237.6	237.6	238.5	238.5	238.5	239.4	240.3	240.3	239.4
15°	233.1	232.2	232.2	233.1	234.0	234.0	234.9	235.8	236.7	236.7	235.8
17.5°	228.6	227.7	227.7	228.6	228.6	229.5	229.5	230.4	229.5	230.4	229.5
20°	222.3	221.4	221.4	222.3	222.3	223.2	223.2	224.1	225.0	225.0	224.1
22.5°	216.9	215.1	216.0	216.0	216.9	216.9	217.8	218.7	218.7	219.6	218.7
25°	210.6	209.7	209.7	210.6	210.6	211.5	211.5	212.4	213.3	213.3	212.4
27.5°	204.3	203.4	202.5	203.4	204.3	205.2	205.2	206.1	207.0	207.0	206.1
30°	197.1	196.2	196.2	197.1	197.1	198.0	198.9	198.9	200.7	199.8	198.9
32.5°	190.8	189.9	189.0	189.9	190.8	190.8	191.7	192.6	192.6	192.6	191.7
35°	182.7	181.8	181.8	181.8	182.7	183.6	184.5	184.5	185.4	185.4	184.5
37.5°	175.5	174.6	173.7	174.6	175.5	176.4	176.4	177.3	177.3	178.2	177.3
40°	167.4	166.5	166.5	166.5	167.4	168.3	168.3	169.2	170.1	170.1	169.2
42.5°	159.3	158.4	158.4	158.4	159.3	160.2	160.2	161.1	162.0	161.1	161.1
45°	151.2	150.3	150.3	150.3	151.2	151.2	152.1	153.0	153.0	153.0	152.1
47.5°	141.3	142.2	142.2	142.2	142.2	143.1	143.1	144.0	144.0	144.9	144.0
50°	132.3	133.2	133.2	133.2	134.1	134.1	135.0	135.0	135.0	135.9	135.0
52.5°	124.2	124.2	124.2	125.1	125.1	125.1	126.0	126.9	126.9	126.9	126.0
55°	115.2	115.2	116.1	117.0	117.0	117.0	117.0	117.9	117.9	117.9	117.9
57.5°	106.2	106.2	107.1	108.0	108.0	108.0	108.0	108.9	108.9	108.9	108.0
60°	97.2	97.2	98.1	99.0	99.0	99.0	99.0	99.9	99.9	99.9	99.9
62.5°	88.2	88.2	89.1	90.0	90.0	90.0	90.0	90.9	90.9	90.9	90.9
65°	79.2	79.2	80.1	81.0	81.0	81.0	81.9	81.9	82.8	81.9	82.8
67.5°	70.2	71.1	71.1	72.0	72.0	72.0	72.9	72.9	73.8	73.8	73.8
70°	61.2	62.1	62.1	63.0	63.0	63.0	63.0	63.9	64.8	64.8	64.8
72.5°	52.2	52.2	53.1	54.0	54.0	54.0	54.9	54.9	55.8	55.8	55.8
75°	43.2	44.1	44.1	45.0	45.0	45.0	45.9	45.9	46.8	46.8	46.8
77.5°	34.2	35.1	36.0	36.9	36.0	36.9	36.9	37.8	37.8	37.8	38.7
80°	26.1	27.0	27.0	27.9	27.9	27.9	27.9	28.8	29.7	28.8	29.7
82.5°	18.0	18.0	18.9	19.8	19.8	19.8	19.8	20.7	20.7	20.7	21.6
85°	9.9	10.8	10.8	10.8	11.7	11.7	12.6	12.6	12.6	12.6	13.5
87.5°	2.7	2.7	3.6	4.5	4.5	4.5	4.5	5.4	5.4	5.4	6.3
90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
92.5°	3.6	3.6	4.5	4.5	5.4	5.4	7.2	8.1	7.2	5.4	7.2
95°	7.2	9.0	10.8	14.4	16.2	17.1	21.6	21.6	18.9	15.3	14.4
97.5°	14.4	18.0	22.5	30.6	34.2	38.7	43.2	41.4	34.2	27.9	26.1
100°	24.3	32.4	45.9	60.3	66.6	72.0	72.9	66.6	55.8	45.9	41.4
102.5°	45.0	63.9	89.1	111.6	114.3	117.0	111.6	99.0	82.8	68.4	59.4
105°	91.8	129.6	160.2	173.7	172.8	170.1	154.8	135.9	115.2	96.3	81.0
107.5°	189.0	225.0	243.9	237.6	229.5	221.4	198.0	176.4	150.3	126.9	110.7
110°	310.5	320.4	313.2	293.4	280.8	270.0	243.0	216.0	187.2	162.0	139.5



TEST NUMBER: P303203

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	397.8	384.3	362.7	337.5	324.9	311.4	283.5	257.4	224.1	198.0	172.8
115°	452.7	430.2	405.0	378.0	364.5	351.0	324.0	294.3	261.0	233.1	207.9
117.5°	491.4	466.2	441.9	415.8	401.4	387.9	360.0	330.3	297.0	271.8	244.8
120°	524.7	501.3	475.2	449.1	435.6	423.0	394.2	364.5	332.1	306.9	279.0
122.5°	554.4	531.0	504.9	479.7	467.1	454.5	425.7	396.0	365.4	341.1	312.3
125°	579.6	558.0	533.7	507.6	495.9	483.3	454.5	426.6	397.8	370.8	345.6
127.5°	605.7	584.1	560.7	535.5	522.9	509.4	482.4	454.5	427.5	402.3	378.0
130°	627.3	605.7	584.1	559.8	547.2	534.6	508.5	481.5	456.3	434.7	408.6
132.5°	648.0	627.3	605.7	580.5	568.8	557.1	533.7	508.5	486.0	462.6	438.3
135°	666.9	645.3	624.6	600.3	588.6	578.7	555.3	531.9	511.2	488.7	466.2
137.5°	682.2	662.4	639.9	617.4	607.5	598.5	576.0	554.4	534.6	513.9	493.2
140°	696.6	675.9	654.3	633.6	623.7	615.6	594.9	576.0	557.1	539.1	518.4
142.5°	710.1	688.5	666.9	648.0	639.9	631.8	613.8	595.8	577.8	561.6	541.8
145°	720.0	699.3	678.6	661.5	655.2	647.1	629.1	613.8	597.6	580.5	563.4
147.5°	729.9	710.1	691.2	675.0	668.7	661.5	645.3	631.8	616.5	601.2	584.1
150°	738.0	718.2	702.0	687.6	681.3	675.9	659.7	648.0	633.6	619.2	604.8
152.5°	742.5	725.4	710.1	698.4	693.0	687.6	674.1	664.2	649.8	639.0	623.7
155°	745.2	730.8	717.3	707.4	702.9	699.3	685.8	676.8	665.1	654.3	640.8
157.5°	747.9	734.4	722.7	714.6	711.0	706.5	694.8	687.6	677.7	668.7	656.1
160°	748.8	737.1	727.2	720.0	717.3	713.7	703.8	697.5	688.5	680.4	668.7
162.5°	748.8	739.8	730.8	725.4	722.7	719.1	711.0	706.5	698.4	691.2	681.3
165°	748.8	740.7	732.6	729.0	726.3	724.5	717.3	712.8	705.6	700.2	692.1
167.5°	747.0	739.8	734.4	731.7	729.9	727.2	721.8	718.2	712.8	709.2	701.1
170°	743.4	738.0	732.6	731.7	730.8	729.0	724.5	722.7	719.1	715.5	709.2
172.5°	739.8	734.4	730.8	730.8	729.9	729.0	725.4	725.4	722.7	720.9	714.6
175°	732.6	729.0	726.3	727.2	727.2	726.3	724.5	725.4	724.5	723.6	720.0
177.5°	725.4	722.7	721.8	723.6	723.6	723.6	722.7	725.4	725.4	726.3	722.7
180°	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2



TEST NUMBER: P303203

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6
2.5°	245.7	244.8	244.8	244.8	244.8	245.7	245.7	244.8	246.6	247.5	246.6
5°	244.8	243.9	243.9	243.9	244.8	244.8	244.8	244.8	245.7	246.6	245.7
7.5°	243.9	242.1	242.1	242.1	243.0	243.0	243.0	242.1	243.9	244.8	243.0
10°	240.3	239.4	239.4	239.4	240.3	240.3	240.3	239.4	240.3	241.2	240.3
12.5°	237.6	236.7	236.7	236.7	236.7	237.6	236.7	236.7	237.6	238.5	236.7
15°	233.1	231.3	231.3	231.3	232.2	232.2	232.2	231.3	234.0	233.1	232.2
17.5°	227.7	225.9	225.9	225.9	226.8	226.8	225.9	225.0	226.8	226.8	225.9
20°	222.3	220.5	220.5	220.5	221.4	221.4	221.4	220.5	221.4	221.4	220.5
22.5°	216.9	215.1	215.1	215.1	216.0	216.0	215.1	214.2	216.0	215.1	214.2
25°	210.6	209.7	209.7	209.7	209.7	209.7	208.8	207.9	209.7	208.8	207.9
27.5°	204.3	203.4	203.4	203.4	203.4	203.4	202.5	201.6	202.5	201.6	201.6
30°	198.0	196.2	196.2	197.1	197.1	196.2	195.3	195.3	196.2	195.3	194.4
32.5°	190.8	189.9	189.0	189.9	189.9	189.9	188.1	188.1	188.1	187.2	187.2
35°	183.6	182.7	181.8	182.7	182.7	181.8	180.9	180.9	180.9	180.0	179.1
37.5°	175.5	174.6	174.6	174.6	174.6	174.6	172.8	173.7	173.7	171.9	171.9
40°	167.4	166.5	166.5	167.4	167.4	166.5	165.6	166.5	165.6	164.7	163.8
42.5°	160.2	158.4	159.3	159.3	159.3	158.4	158.4	158.4	157.5	156.6	155.7
45°	151.2	150.3	151.2	151.2	151.2	150.3	150.3	149.4	149.4	148.5	147.6
47.5°	143.1	142.2	143.1	143.1	143.1	141.3	142.2	141.3	141.3	139.5	139.5
50°	134.1	134.1	135.0	134.1	134.1	133.2	133.2	132.3	132.3	131.4	130.5
52.5°	126.0	126.0	126.0	126.0	126.0	125.1	125.1	124.2	124.2	123.3	122.4
55°	117.0	117.0	117.9	117.9	117.0	116.1	116.1	116.1	115.2	114.3	113.4
57.5°	108.0	108.9	108.9	108.0	108.9	108.0	107.1	107.1	106.2	105.3	105.3
60°	99.9	99.9	99.9	99.9	99.9	99.0	99.0	99.0	97.2	96.3	96.3
62.5°	90.9	91.8	90.9	90.9	90.9	90.0	90.0	90.0	89.1	88.2	88.2
65°	82.8	82.8	82.8	81.9	81.9	81.9	81.9	81.0	80.1	79.2	79.2
67.5°	73.8	73.8	73.8	73.8	72.9	72.9	72.0	72.0	71.1	71.1	70.2
70°	64.8	64.8	64.8	64.8	63.9	63.9	63.9	63.0	62.1	62.1	62.1
72.5°	55.8	55.8	55.8	55.8	55.8	54.9	54.9	54.0	54.0	54.0	53.1
75°	46.8	46.8	46.8	46.8	46.8	45.9	45.9	45.0	45.0	45.0	44.1
77.5°	37.8	37.8	37.8	37.8	37.8	37.8	36.9	36.9	36.9	36.0	36.0
80°	29.7	29.7	28.8	29.7	28.8	28.8	28.8	28.8	27.9	27.9	27.0
82.5°	20.7	21.6	20.7	20.7	20.7	20.7	20.7	19.8	19.8	19.8	18.9
85°	13.5	13.5	13.5	12.6	12.6	12.6	11.7	11.7	10.8	11.7	10.8
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.5	5.4	4.5
90°	1.8	2.7	2.7	2.7	3.6	4.5	3.6	4.5	4.5	5.4	5.4
92.5°	10.8	12.6	12.6	12.6	13.5	14.4	13.5	14.4	14.4	14.4	13.5
95°	17.1	19.8	25.2	26.1	27.9	29.7	29.7	28.8	27.9	27.9	27.0
97.5°	24.3	28.8	29.7	31.5	33.3	38.7	41.4	44.1	45.9	45.9	45.0
100°	37.8	36.9	41.4	44.1	42.3	43.2	45.9	51.3	54.0	55.8	57.6
102.5°	54.0	49.5	49.5	51.3	54.0	58.5	54.9	56.7	58.5	61.2	65.7
105°	73.8	66.6	63.9	63.0	63.9	67.5	72.0	70.2	67.5	69.3	71.1
107.5°	97.2	88.2	80.1	78.3	78.3	78.3	81.9	86.4	89.1	86.4	81.9
110°	124.2	110.7	100.8	96.3	94.5	92.7	91.8	96.3	101.7	104.4	105.3



TEST NUMBER: P303203

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	153.9	136.8	124.2	119.7	114.3	108.9	107.1	108.0	109.8	116.1	118.8
115°	187.2	167.4	150.3	144.9	139.5	127.8	123.3	121.5	122.4	124.2	128.7
117.5°	220.5	200.7	180.0	171.9	165.6	153.0	141.3	137.7	135.9	136.8	137.7
120°	256.5	234.9	212.4	202.5	194.4	180.9	164.7	155.7	151.2	150.3	149.4
122.5°	289.8	269.1	249.3	236.7	225.9	208.8	192.6	180.0	171.9	165.6	163.8
125°	322.2	301.5	282.6	272.7	261.9	243.0	223.2	208.8	197.1	187.2	180.9
127.5°	353.7	333.9	314.1	305.1	296.1	275.4	256.5	242.1	226.8	214.2	204.3
130°	384.3	364.5	346.5	338.4	326.7	306.9	288.9	272.7	260.1	246.6	232.2
132.5°	414.9	396.0	378.9	369.9	360.0	339.3	321.3	306.0	290.7	279.0	267.3
135°	442.8	423.9	407.7	400.5	388.8	370.8	353.7	339.3	324.0	310.5	299.7
137.5°	469.8	451.8	435.6	428.4	418.5	401.4	385.2	371.7	355.5	342.0	332.1
140°	495.0	477.0	461.7	454.5	446.4	430.2	414.0	403.2	387.0	374.4	363.6
142.5°	520.2	503.1	487.8	481.5	473.4	458.1	442.8	433.8	419.4	407.7	396.0
145°	542.7	525.6	512.1	506.7	499.5	484.2	470.7	461.7	450.9	439.2	427.5
147.5°	564.3	548.1	535.5	531.0	524.7	511.2	497.7	489.6	481.5	468.9	458.1
150°	585.9	568.8	558.0	553.5	548.1	536.4	523.8	514.8	508.5	495.9	486.9
152.5°	605.7	591.3	579.6	574.2	569.7	559.8	547.2	538.2	534.6	523.8	513.9
155°	623.7	609.3	600.3	594.0	591.3	580.5	570.6	560.7	558.9	547.2	540.0
157.5°	639.0	626.4	616.5	612.9	609.3	601.2	591.3	583.2	581.4	571.5	563.4
160°	654.3	641.7	634.5	630.9	627.3	618.3	610.2	602.1	602.1	594.9	587.7
162.5°	666.9	656.1	649.8	647.1	644.4	638.1	629.1	621.0	621.0	615.6	609.3
165°	678.6	668.7	663.3	661.5	657.9	653.4	647.1	639.0	639.9	634.5	629.1
167.5°	690.3	680.4	675.9	674.1	672.3	667.8	662.4	655.2	656.1	653.4	647.1
170°	699.3	690.3	686.7	684.9	684.0	680.4	676.8	670.5	671.4	669.6	664.2
172.5°	705.6	698.4	696.6	694.8	694.8	692.1	689.4	684.0	684.9	685.8	679.5
175°	711.0	704.7	703.8	702.9	702.9	702.0	700.2	695.7	697.5	699.3	693.9
177.5°	715.5	711.0	711.0	711.0	711.0	711.0	710.1	706.5	708.3	711.9	706.5
180°	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2



TEST NUMBER: P303203

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6
2.5°	246.6	246.6	246.6	246.6	246.6	244.8	243.9	243.0
5°	245.7	245.7	244.8	244.8	245.7	244.8	243.9	243.0
7.5°	243.0	243.0	243.0	243.0	243.9	243.0	242.1	243.0
10°	240.3	240.3	239.4	239.4	240.3	240.3	239.4	240.3
12.5°	236.7	236.7	235.8	236.7	236.7	236.7	236.7	236.7
15°	232.2	231.3	231.3	231.3	232.2	232.2	232.2	233.1
17.5°	225.9	225.9	225.0	225.9	226.8	225.9	225.0	225.0
20°	220.5	219.6	219.6	219.6	220.5	219.6	219.6	219.6
22.5°	214.2	213.3	213.3	213.3	214.2	213.3	212.4	212.4
25°	207.0	207.0	207.0	207.0	207.0	206.1	205.2	205.2
27.5°	200.7	200.7	199.8	200.7	199.8	198.9	198.0	198.0
30°	193.5	193.5	192.6	193.5	192.6	191.7	190.8	190.8
32.5°	186.3	185.4	185.4	186.3	185.4	184.5	183.6	183.6
35°	178.2	178.2	178.2	178.2	177.3	176.4	175.5	174.6
37.5°	171.0	170.1	170.1	170.1	169.2	168.3	168.3	168.3
40°	162.9	162.0	162.0	162.9	161.1	160.2	160.2	160.2
42.5°	154.8	154.8	153.9	153.9	153.0	152.1	151.2	151.2
45°	145.8	146.7	145.8	145.8	144.9	144.0	143.1	144.0
47.5°	137.7	137.7	137.7	137.7	136.8	135.9	135.0	135.9
50°	129.6	129.6	129.6	129.6	127.8	127.8	126.9	126.9
52.5°	121.5	121.5	120.6	120.6	119.7	119.7	118.8	118.8
55°	112.5	112.5	112.5	112.5	111.6	110.7	110.7	110.7
57.5°	104.4	104.4	103.5	103.5	102.6	102.6	101.7	102.6
60°	95.4	95.4	95.4	95.4	94.5	94.5	93.6	93.6
62.5°	87.3	86.4	86.4	86.4	85.5	85.5	85.5	85.5
65°	78.3	78.3	77.4	78.3	77.4	77.4	76.5	76.5
67.5°	70.2	69.3	69.3	69.3	69.3	68.4	68.4	68.4
70°	61.2	60.3	60.3	60.3	60.3	60.3	59.4	60.3
72.5°	52.2	52.2	52.2	52.2	51.3	51.3	51.3	51.3
75°	44.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
77.5°	36.0	35.1	35.1	35.1	35.1	34.2	34.2	34.2
80°	27.0	27.0	27.0	26.1	26.1	26.1	26.1	26.1
82.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	17.1
85°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
87.5°	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4
90°	5.4	5.4	6.3	6.3	6.3	6.3	7.2	7.2
92.5°	14.4	14.4	15.3	15.3	14.4	14.4	15.3	15.3
95°	27.9	27.9	27.9	27.9	27.0	27.0	27.9	27.9
97.5°	45.0	44.1	45.0	44.1	43.2	43.2	43.2	42.3
100°	59.4	59.4	60.3	60.3	60.3	60.3	61.2	60.3
102.5°	67.5	68.4	69.3	69.3	70.2	71.1	71.1	71.1
105°	72.9	73.8	75.6	76.5	79.2	80.1	81.0	81.0
107.5°	83.7	83.7	84.6	85.5	85.5	86.4	87.3	87.3
110°	103.5	99.9	99.0	99.0	97.2	97.2	98.1	99.0



TEST NUMBER: P303203

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	121.5	122.4	122.4	123.3	119.7	117.9	118.8	118.8
115°	133.2	135.0	135.0	136.8	136.8	137.7	139.5	139.5
117.5°	141.3	144.0	144.9	145.8	148.5	149.4	151.2	151.2
120°	151.2	153.0	153.9	154.8	155.7	156.6	157.5	158.4
122.5°	163.8	162.9	163.8	163.8	164.7	165.6	165.6	166.5
125°	178.2	177.3	176.4	177.3	175.5	174.6	174.6	175.5
127.5°	198.0	194.4	192.6	190.8	189.9	189.0	188.1	187.2
130°	223.2	217.8	214.2	213.3	208.8	206.1	204.3	205.2
132.5°	256.5	248.4	244.8	243.0	234.9	230.4	228.6	228.6
135°	289.8	280.8	277.2	272.7	267.3	262.8	258.3	258.3
137.5°	321.3	315.0	310.5	306.0	300.6	296.1	291.6	290.7
140°	352.8	345.6	341.1	337.5	333.0	328.5	324.0	326.7
142.5°	385.2	377.1	372.6	371.7	365.4	360.9	358.2	359.1
145°	416.7	408.6	405.0	403.2	397.8	392.4	389.7	387.9
147.5°	448.2	441.0	437.4	435.6	430.2	424.8	422.1	421.2
150°	477.9	471.6	468.0	465.3	461.7	457.2	451.8	451.8
152.5°	506.7	500.4	495.9	495.9	492.3	486.9	481.5	484.2
155°	532.8	527.4	524.7	523.8	520.2	515.7	511.2	513.0
157.5°	558.0	551.7	549.9	548.1	546.3	542.7	538.2	540.0
160°	582.3	576.9	575.1	573.3	571.5	567.9	563.4	564.3
162.5°	605.7	602.1	598.5	597.6	596.7	592.2	587.7	588.6
165°	625.5	621.9	619.2	618.3	618.3	614.7	610.2	611.1
167.5°	644.4	639.9	638.1	636.3	637.2	634.5	630.9	632.7
170°	661.5	658.8	657.0	656.1	657.0	653.4	650.7	651.6
172.5°	677.7	675.9	674.1	673.2	675.0	672.3	668.7	669.6
175°	692.1	690.3	689.4	688.5	689.4	685.8	684.0	684.9
177.5°	705.6	704.7	703.8	702.9	704.7	700.2	696.6	698.4
180°	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2

(END OF REPORT)