

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: P303200

Luminaire Tested: **CTW-F-7525-30L840-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303200
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-7525-30L840-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

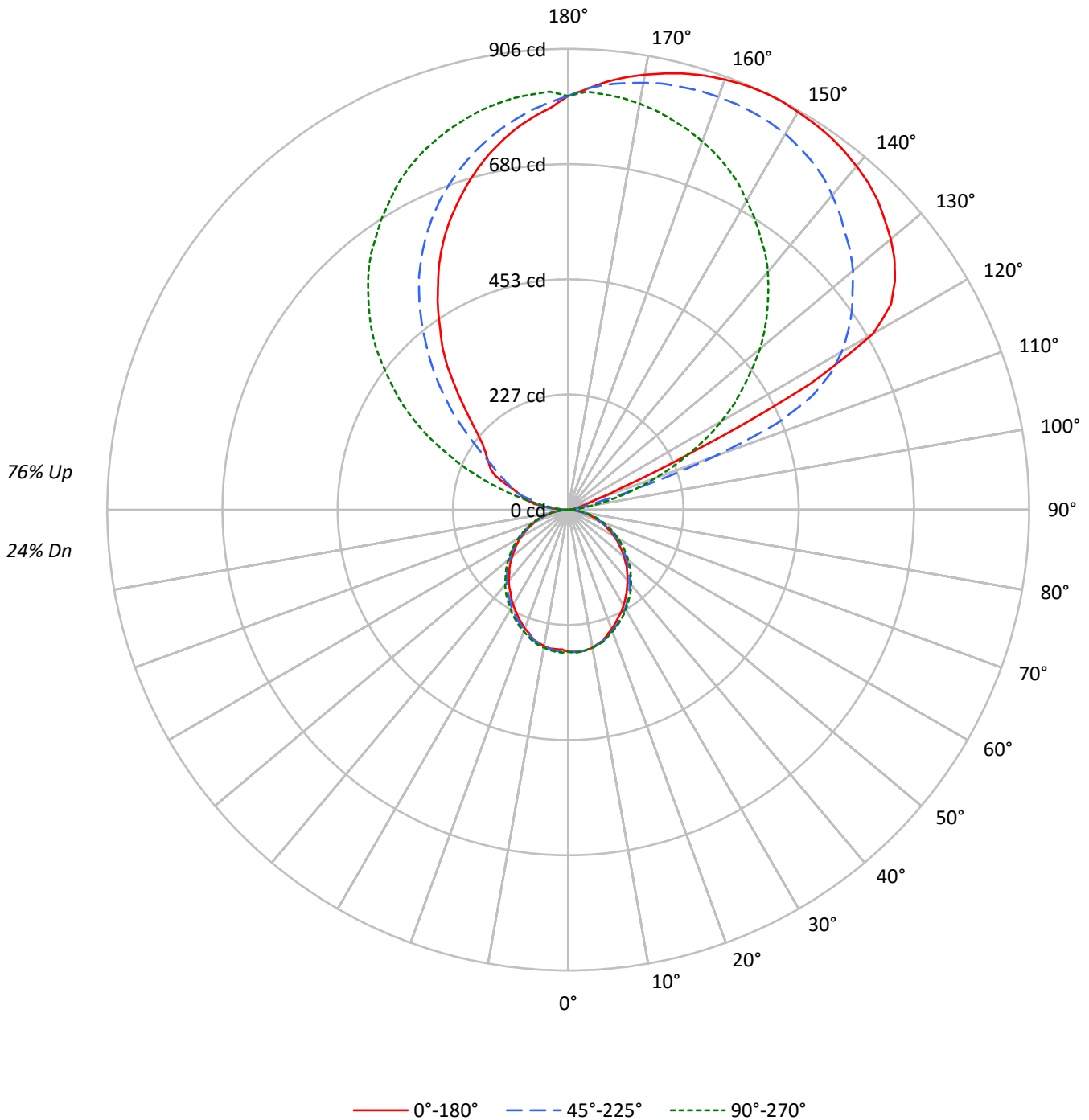
Lumens per Lamp: N/A
Luminaire Lumens: 3045.6 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 22.9
Input Voltage (V): 120
Input Current (A_{in}): 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



TEST NUMBER: P303200
CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

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°	6013	6013	6013
5°	6057	6057	5947
10°	6016	6016	5948
15°	5928	5975	5884
20°	5720	5837	5698
25°	5544	5739	5520
30°	5397	5625	5372
35°	5251	5519	5196
40°	5098	5413	5098
45°	4966	5276	4966
50°	4813	5154	4813
55°	4628	5011	4707
60°	4478	4870	4564
65°	4259	4722	4411
70°	4041	4620	4299
75°	3818	4408	4067
80°	3285	4042	3670
85°	2025	3532	3013



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	0.9
10°-20°	74.3	2.4
20°-30°	109.1	3.6
30°-40°	127.9	4.2
40°-50°	129.6	4.3
50°-60°	115.6	3.8
60°-70°	88.7	2.9
70°-80°	52.6	1.7
80°-90°	14.8	0.5
90°-100°	24.1	0.8
100°-110°	100.1	3.3
110°-120°	281.4	9.2
120°-130°	406.5	13.3
130°-140°	437.1	14.4
140°-150°	415.8	13.7
150°-160°	341.4	11.2
160°-170°	222.9	7.3
170°-180°	77.2	2.5
0°-30°	209.8	6.9
0°-40°	337.8	11.1
0°-60°	583.0	19.1
0°-90°	739.0	24.3
90°-120°	405.7	13.3
90°-150°	1665.1	54.7
90°-180°	2307.0	75.7
0°-180°	3045.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	279	279	279	279	279	
5°	280	279	280	278	275	27
15°	266	267	268	265	264	74
25°	233	240	242	238	232	108
35°	200	207	210	205	198	125
45°	163	168	173	169	163	126
55°	123	128	134	130	125	111
65°	84	89	93	91	87	83
75°	46	49	53	51	49	48
85°	8	10	14	12	12	10
90°	2	1	1	5	8	1
95°	6	7	17	32	32	7
105°	28	70	109	76	92	33
115°	274	529	264	139	158	320
125°	784	681	420	223	199	695
135°	860	770	553	367	292	664
145°	896	836	657	511	439	562
155°	906	861	741	633	581	419
165°	888	860	793	725	692	252
175°	844	839	820	790	776	81
180°	813	813	813	813	813	



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3
2.5°	279.3	278.2	279.3	279.3	280.3	280.3	280.3	279.3	280.3	281.3	280.3
5°	280.3	280.3	279.3	279.3	279.3	279.3	279.3	278.2	279.3	280.3	279.3
7.5°	278.2	278.2	278.2	277.2	277.2	277.2	277.2	277.2	277.2	278.2	278.2
10°	275.2	275.2	274.2	273.2	274.2	274.2	274.2	273.2	274.2	275.2	275.2
12.5°	270.1	271.1	270.1	270.1	270.1	270.1	270.1	270.1	271.1	272.1	271.1
15°	266.0	266.0	266.0	265.0	265.0	265.0	265.0	264.0	266.0	267.0	267.0
17.5°	256.8	256.8	256.8	257.9	258.9	258.9	258.9	257.9	257.9	260.9	259.9
20°	249.7	249.7	249.7	249.7	250.7	250.7	250.7	250.7	250.7	252.8	252.8
22.5°	241.6	242.6	242.6	242.6	243.6	243.6	243.6	243.6	243.6	245.6	246.7
25°	233.4	234.4	234.4	235.4	235.4	235.4	235.4	236.5	236.5	238.5	239.5
27.5°	226.3	226.3	226.3	227.3	227.3	228.3	228.3	229.3	229.3	230.3	232.4
30°	217.1	217.1	218.1	218.1	219.1	220.2	220.2	221.2	221.2	222.2	224.2
32.5°	208.9	208.9	208.9	210.0	211.0	211.0	211.0	212.0	212.0	213.0	215.1
35°	199.8	199.8	199.8	200.8	200.8	201.8	201.8	202.8	203.8	204.9	206.9
37.5°	190.6	190.6	190.6	191.6	191.6	192.6	193.7	194.7	194.7	195.7	197.7
40°	181.4	181.4	181.4	182.4	183.5	183.5	183.5	184.5	185.5	186.5	187.5
42.5°	172.2	171.2	172.2	172.2	173.3	174.3	174.3	175.3	176.3	177.3	178.4
45°	163.1	162.1	163.1	163.1	164.1	164.1	164.1	166.1	166.1	167.2	168.2
47.5°	152.9	152.9	152.9	152.9	154.9	153.9	154.9	155.9	157.0	158.0	159.0
50°	143.7	142.7	143.7	143.7	144.7	144.7	144.7	145.7	146.8	147.8	148.8
52.5°	133.5	133.5	133.5	133.5	134.5	135.6	135.6	136.6	136.6	137.6	138.6
55°	123.3	123.3	124.3	124.3	125.4	125.4	125.4	126.4	126.4	128.4	128.4
57.5°	114.2	114.2	114.2	114.2	115.2	115.2	116.2	116.2	116.2	118.2	119.2
60°	104.0	104.0	105.0	104.0	106.0	105.0	106.0	106.0	107.0	108.0	109.1
62.5°	93.8	94.8	94.8	94.8	94.8	95.8	95.8	96.8	96.8	97.8	98.9
65°	83.6	83.6	84.6	84.6	85.6	85.6	85.6	86.6	86.6	87.7	88.7
67.5°	75.4	75.4	74.4	74.4	75.4	75.4	76.4	76.4	76.4	77.5	77.5
70°	64.2	65.2	65.2	65.2	65.2	66.2	66.2	66.2	67.3	67.3	68.3
72.5°	55.0	55.0	55.0	55.0	55.0	56.1	56.1	56.1	57.1	57.1	58.1
75°	45.9	44.8	45.9	44.8	45.9	45.9	45.9	46.9	46.9	46.9	48.9
77.5°	35.7	35.7	35.7	35.7	35.7	35.7	36.7	36.7	37.7	38.7	38.7
80°	26.5	25.5	26.5	26.5	26.5	26.5	26.5	26.5	27.5	28.5	28.5
82.5°	16.3	16.3	16.3	16.3	17.3	17.3	17.3	17.3	18.3	19.4	19.4
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.2	9.2	10.2	10.2
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0
92.5°	3.1	3.1	3.1	3.1	3.1	4.1	4.1	3.1	4.1	4.1	4.1
95°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.1	7.1	7.1	7.1
97.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	11.2	11.2	12.2	13.2
100°	14.3	14.3	14.3	14.3	14.3	15.3	15.3	16.3	17.3	19.4	22.4
102.5°	20.4	20.4	20.4	20.4	21.4	22.4	22.4	23.4	26.5	30.6	37.7
105°	27.5	27.5	28.5	28.5	29.6	30.6	31.6	35.7	41.8	52.0	70.3
107.5°	38.7	38.7	39.7	41.8	43.8	45.9	49.9	60.1	78.5	107.0	152.9
110°	60.1	60.1	62.2	69.3	76.4	81.5	93.8	124.3	175.3	237.5	303.7



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	119.2	121.3	127.4	146.8	172.2	188.6	223.2	290.5	352.7	414.8	444.4
115°	274.2	303.7	311.9	348.6	395.5	417.9	442.3	488.2	521.8	537.1	529.0
117.5°	537.1	561.6	560.6	588.1	600.3	607.5	613.6	619.7	607.5	601.3	582.0
120°	692.1	698.2	690.0	691.0	689.0	685.9	682.9	672.7	658.4	642.1	620.7
122.5°	752.2	750.2	746.1	741.0	732.8	726.7	721.6	708.4	693.1	674.7	652.3
125°	783.8	781.7	777.7	770.5	761.4	756.3	750.2	736.9	720.6	702.2	680.8
127.5°	808.2	805.2	801.1	794.0	785.8	779.7	775.6	761.4	745.1	727.7	704.3
130°	827.6	825.6	820.5	815.4	806.2	801.1	796.0	783.8	765.4	749.1	730.8
132.5°	843.9	842.9	838.8	833.7	824.6	819.5	815.4	803.2	785.8	768.5	752.2
135°	860.2	858.2	854.1	849.0	839.8	835.8	830.7	820.5	803.2	785.8	769.5
137.5°	872.5	869.4	866.3	862.3	853.1	850.0	844.9	833.7	818.4	804.2	789.9
140°	881.6	878.6	875.5	872.5	864.3	861.2	857.2	846.0	830.7	818.4	807.2
142.5°	889.8	886.7	884.7	881.6	874.5	871.4	868.4	857.2	843.9	832.7	823.5
145°	895.9	892.8	891.8	888.8	882.7	879.6	876.5	865.3	853.1	841.9	835.8
147.5°	900.0	899.0	896.9	893.9	888.8	886.7	883.7	873.5	860.2	852.1	844.9
150°	903.0	903.0	901.0	899.0	893.9	891.8	888.8	878.6	868.4	861.2	853.1
152.5°	906.1	906.1	904.1	901.0	896.9	894.9	890.8	881.6	872.5	867.4	858.2
155°	906.1	907.1	905.1	901.0	897.9	894.9	891.8	882.7	874.5	870.4	861.2
157.5°	904.1	905.1	902.0	899.0	895.9	893.9	889.8	881.6	875.5	872.5	863.3
160°	900.0	901.0	899.0	895.9	892.8	891.8	887.7	880.6	875.5	872.5	863.3
162.5°	894.9	895.9	894.9	891.8	889.8	888.8	884.7	878.6	873.5	871.4	863.3
165°	887.7	888.8	887.7	884.7	883.7	881.6	878.6	872.5	868.4	868.4	860.2
167.5°	878.6	879.6	878.6	873.5	873.5	871.4	870.4	865.3	863.3	864.3	858.2
170°	868.4	869.4	867.4	864.3	865.3	863.3	862.3	859.2	857.2	858.2	852.1
172.5°	857.2	858.2	857.2	854.1	855.1	854.1	853.1	849.0	848.0	851.1	846.0
175°	843.9	843.9	843.9	840.9	842.9	841.9	840.9	838.8	838.8	841.9	838.8
177.5°	827.6	827.6	828.6	827.6	829.7	828.6	828.6	827.6	827.6	831.7	828.6
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3
2.5°	278.2	277.2	277.2	278.2	278.2	278.2	279.3	280.3	280.3	281.3	280.3
5°	278.2	277.2	276.2	277.2	278.2	278.2	278.2	279.3	279.3	280.3	279.3
7.5°	276.2	275.2	275.2	276.2	276.2	276.2	276.2	277.2	277.2	278.2	277.2
10°	273.2	272.1	272.1	272.1	273.2	273.2	274.2	275.2	275.2	275.2	274.2
12.5°	270.1	269.1	269.1	269.1	270.1	270.1	270.1	271.1	272.1	272.1	271.1
15°	264.0	263.0	263.0	264.0	265.0	265.0	266.0	267.0	268.1	268.1	267.0
17.5°	258.9	257.9	257.9	258.9	258.9	259.9	259.9	260.9	259.9	260.9	259.9
20°	251.7	250.7	250.7	251.7	251.7	252.8	252.8	253.8	254.8	254.8	253.8
22.5°	245.6	243.6	244.6	244.6	245.6	245.6	246.7	247.7	247.7	248.7	247.7
25°	238.5	237.5	237.5	238.5	238.5	239.5	239.5	240.5	241.6	241.6	240.5
27.5°	231.4	230.3	229.3	230.3	231.4	232.4	232.4	233.4	234.4	234.4	233.4
30°	223.2	222.2	222.2	223.2	223.2	224.2	225.2	225.2	227.3	226.3	225.2
32.5°	216.1	215.1	214.0	215.1	216.1	216.1	217.1	218.1	218.1	218.1	217.1
35°	206.9	205.9	205.9	205.9	206.9	207.9	208.9	208.9	210.0	210.0	208.9
37.5°	198.7	197.7	196.7	197.7	198.7	199.8	199.8	200.8	200.8	201.8	200.8
40°	189.6	188.6	188.6	188.6	189.6	190.6	190.6	191.6	192.6	192.6	191.6
42.5°	180.4	179.4	179.4	179.4	180.4	181.4	181.4	182.4	183.5	182.4	182.4
45°	171.2	170.2	170.2	170.2	171.2	171.2	172.2	173.3	173.3	173.3	172.2
47.5°	160.0	161.0	161.0	161.0	161.0	162.1	162.1	163.1	163.1	164.1	163.1
50°	149.8	150.8	150.8	150.8	151.9	151.9	152.9	152.9	152.9	153.9	152.9
52.5°	140.7	140.7	140.7	141.7	141.7	141.7	142.7	143.7	143.7	143.7	142.7
55°	130.5	130.5	131.5	132.5	132.5	132.5	132.5	133.5	133.5	133.5	133.5
57.5°	120.3	120.3	121.3	122.3	122.3	122.3	122.3	123.3	123.3	123.3	122.3
60°	110.1	110.1	111.1	112.1	112.1	112.1	112.1	113.1	113.1	113.1	113.1
62.5°	99.9	99.9	100.9	101.9	101.9	101.9	101.9	102.9	102.9	102.9	102.9
65°	89.7	89.7	90.7	91.7	91.7	91.7	92.7	92.7	93.8	92.7	93.8
67.5°	79.5	80.5	80.5	81.5	81.5	81.5	82.6	82.6	83.6	83.6	83.6
70°	69.3	70.3	70.3	71.3	71.3	71.3	71.3	72.4	73.4	73.4	73.4
72.5°	59.1	59.1	60.1	61.2	61.2	61.2	62.2	62.2	63.2	63.2	63.2
75°	48.9	49.9	49.9	51.0	51.0	51.0	52.0	52.0	53.0	53.0	53.0
77.5°	38.7	39.7	40.8	41.8	40.8	41.8	41.8	42.8	42.8	42.8	43.8
80°	29.6	30.6	30.6	31.6	31.6	31.6	31.6	32.6	33.6	32.6	33.6
82.5°	20.4	20.4	21.4	22.4	22.4	22.4	22.4	23.4	23.4	23.4	24.5
85°	11.2	12.2	12.2	12.2	13.2	13.2	14.3	14.3	14.3	14.3	15.3
87.5°	3.1	3.1	4.1	5.1	5.1	5.1	5.1	6.1	6.1	6.1	7.1
90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
92.5°	4.1	4.1	5.1	5.1	6.1	6.1	8.2	9.2	8.2	6.1	8.2
95°	8.2	10.2	12.2	16.3	18.3	19.4	24.5	24.5	21.4	17.3	16.3
97.5°	16.3	20.4	25.5	34.7	38.7	43.8	48.9	46.9	38.7	31.6	29.6
100°	27.5	36.7	52.0	68.3	75.4	81.5	82.6	75.4	63.2	52.0	46.9
102.5°	51.0	72.4	100.9	126.4	129.4	132.5	126.4	112.1	93.8	77.5	67.3
105°	104.0	146.8	181.4	196.7	195.7	192.6	175.3	153.9	130.5	109.1	91.7
107.5°	214.0	254.8	276.2	269.1	259.9	250.7	224.2	199.8	170.2	143.7	125.4
110°	351.6	362.8	354.7	332.3	318.0	305.8	275.2	244.6	212.0	183.5	158.0



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	450.5	435.2	410.7	382.2	367.9	352.7	321.1	291.5	253.8	224.2	195.7
115°	512.7	487.2	458.7	428.1	412.8	397.5	366.9	333.3	295.6	264.0	235.4
117.5°	556.5	528.0	500.4	470.9	454.6	439.3	407.7	374.1	336.3	307.8	277.2
120°	594.2	567.7	538.2	508.6	493.3	479.0	446.4	412.8	376.1	347.6	316.0
122.5°	627.8	601.3	571.8	543.2	529.0	514.7	482.1	448.5	413.8	386.3	353.7
125°	656.4	631.9	604.4	574.8	561.6	547.3	514.7	483.1	450.5	419.9	391.4
127.5°	685.9	661.5	635.0	606.4	592.2	576.9	546.3	514.7	484.1	455.6	428.1
130°	710.4	685.9	661.5	634.0	619.7	605.4	575.9	545.3	516.7	492.3	462.7
132.5°	733.8	710.4	685.9	657.4	644.2	630.9	604.4	575.9	550.4	523.9	496.4
135°	755.2	730.8	707.3	679.8	666.6	655.4	628.9	602.4	578.9	553.4	528.0
137.5°	772.6	750.2	724.7	699.2	688.0	677.8	652.3	627.8	605.4	582.0	558.5
140°	788.9	765.4	741.0	717.5	706.3	697.2	673.7	652.3	630.9	610.5	587.1
142.5°	804.2	779.7	755.2	733.8	724.7	715.5	695.1	674.7	654.3	636.0	613.6
145°	815.4	791.9	768.5	749.1	742.0	732.8	712.4	695.1	676.8	657.4	638.0
147.5°	826.6	804.2	782.8	764.4	757.3	749.1	730.8	715.5	698.2	680.8	661.5
150°	835.8	813.3	795.0	778.7	771.6	765.4	747.1	733.8	717.5	701.2	684.9
152.5°	840.9	821.5	804.2	790.9	784.8	778.7	763.4	752.2	735.9	723.7	706.3
155°	843.9	827.6	812.3	801.1	796.0	791.9	776.7	766.5	753.2	741.0	725.7
157.5°	847.0	831.7	818.4	809.3	805.2	800.1	786.8	778.7	767.5	757.3	743.0
160°	848.0	834.7	823.5	815.4	812.3	808.2	797.0	789.9	779.7	770.5	757.3
162.5°	848.0	837.8	827.6	821.5	818.4	814.4	805.2	800.1	790.9	782.8	771.6
165°	848.0	838.8	829.7	825.6	822.5	820.5	812.3	807.2	799.1	793.0	783.8
167.5°	846.0	837.8	831.7	828.6	826.6	823.5	817.4	813.3	807.2	803.2	794.0
170°	841.9	835.8	829.7	828.6	827.6	825.6	820.5	818.4	814.4	810.3	803.2
172.5°	837.8	831.7	827.6	827.6	826.6	825.6	821.5	821.5	818.4	816.4	809.3
175°	829.7	825.6	822.5	823.5	823.5	822.5	820.5	821.5	820.5	819.5	815.4
177.5°	821.5	818.4	817.4	819.5	819.5	819.5	818.4	821.5	821.5	822.5	818.4
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3
2.5°	278.2	277.2	277.2	277.2	277.2	278.2	278.2	277.2	279.3	280.3	279.3
5°	277.2	276.2	276.2	276.2	277.2	277.2	277.2	277.2	278.2	279.3	278.2
7.5°	276.2	274.2	274.2	274.2	275.2	275.2	275.2	274.2	276.2	277.2	275.2
10°	272.1	271.1	271.1	271.1	272.1	272.1	272.1	271.1	272.1	273.2	272.1
12.5°	269.1	268.1	268.1	268.1	268.1	269.1	268.1	268.1	269.1	270.1	268.1
15°	264.0	261.9	261.9	261.9	263.0	263.0	263.0	261.9	265.0	264.0	263.0
17.5°	257.9	255.8	255.8	255.8	256.8	256.8	255.8	254.8	256.8	256.8	255.8
20°	251.7	249.7	249.7	249.7	250.7	250.7	250.7	249.7	250.7	250.7	249.7
22.5°	245.6	243.6	243.6	243.6	244.6	244.6	243.6	242.6	244.6	243.6	242.6
25°	238.5	237.5	237.5	237.5	237.5	237.5	236.5	235.4	237.5	236.5	235.4
27.5°	231.4	230.3	230.3	230.3	230.3	230.3	229.3	228.3	229.3	228.3	228.3
30°	224.2	222.2	222.2	223.2	223.2	222.2	221.2	221.2	222.2	221.2	220.2
32.5°	216.1	215.1	214.0	215.1	215.1	215.1	213.0	213.0	213.0	212.0	212.0
35°	207.9	206.9	205.9	206.9	206.9	205.9	204.9	204.9	204.9	203.8	202.8
37.5°	198.7	197.7	197.7	197.7	197.7	197.7	195.7	196.7	196.7	194.7	194.7
40°	189.6	188.6	188.6	189.6	189.6	188.6	187.5	188.6	187.5	186.5	185.5
42.5°	181.4	179.4	180.4	180.4	180.4	179.4	179.4	179.4	178.4	177.3	176.3
45°	171.2	170.2	171.2	171.2	171.2	170.2	170.2	169.2	169.2	168.2	167.2
47.5°	162.1	161.0	162.1	162.1	162.1	160.0	161.0	160.0	160.0	158.0	158.0
50°	151.9	151.9	152.9	151.9	151.9	150.8	150.8	149.8	149.8	148.8	147.8
52.5°	142.7	142.7	142.7	142.7	142.7	141.7	141.7	140.7	140.7	139.6	138.6
55°	132.5	132.5	133.5	133.5	132.5	131.5	131.5	131.5	130.5	129.4	128.4
57.5°	122.3	123.3	123.3	122.3	123.3	122.3	121.3	121.3	120.3	119.2	119.2
60°	113.1	113.1	113.1	113.1	113.1	112.1	112.1	112.1	110.1	109.1	109.1
62.5°	102.9	104.0	102.9	102.9	102.9	101.9	101.9	101.9	100.9	99.9	99.9
65°	93.8	93.8	93.8	92.7	92.7	92.7	92.7	91.7	90.7	89.7	89.7
67.5°	83.6	83.6	83.6	83.6	82.6	82.6	81.5	81.5	80.5	80.5	79.5
70°	73.4	73.4	73.4	73.4	72.4	72.4	72.4	71.3	70.3	70.3	70.3
72.5°	63.2	63.2	63.2	63.2	63.2	62.2	62.2	61.2	61.2	61.2	60.1
75°	53.0	53.0	53.0	53.0	53.0	52.0	52.0	51.0	51.0	51.0	49.9
77.5°	42.8	42.8	42.8	42.8	42.8	42.8	41.8	41.8	41.8	40.8	40.8
80°	33.6	33.6	32.6	33.6	32.6	32.6	32.6	32.6	31.6	31.6	30.6
82.5°	23.4	24.5	23.4	23.4	23.4	23.4	23.4	22.4	22.4	22.4	21.4
85°	15.3	15.3	15.3	14.3	14.3	14.3	13.2	13.2	12.2	13.2	12.2
87.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.1	6.1	5.1
90°	2.0	3.1	3.1	3.1	4.1	5.1	4.1	5.1	5.1	6.1	6.1
92.5°	12.2	14.3	14.3	14.3	15.3	16.3	15.3	16.3	16.3	16.3	15.3
95°	19.4	22.4	28.5	29.6	31.6	33.6	33.6	32.6	31.6	31.6	30.6
97.5°	27.5	32.6	33.6	35.7	37.7	43.8	46.9	49.9	52.0	52.0	51.0
100°	42.8	41.8	46.9	49.9	47.9	48.9	52.0	58.1	61.2	63.2	65.2
102.5°	61.2	56.1	56.1	58.1	61.2	66.2	62.2	64.2	66.2	69.3	74.4
105°	83.6	75.4	72.4	71.3	72.4	76.4	81.5	79.5	76.4	78.5	80.5
107.5°	110.1	99.9	90.7	88.7	88.7	88.7	92.7	97.8	100.9	97.8	92.7
110°	140.7	125.4	114.2	109.1	107.0	105.0	104.0	109.1	115.2	118.2	119.2



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	174.3	154.9	140.7	135.6	129.4	123.3	121.3	122.3	124.3	131.5	134.5
115°	212.0	189.6	170.2	164.1	158.0	144.7	139.6	137.6	138.6	140.7	145.7
117.5°	249.7	227.3	203.8	194.7	187.5	173.3	160.0	155.9	153.9	154.9	155.9
120°	290.5	266.0	240.5	229.3	220.2	204.9	186.5	176.3	171.2	170.2	169.2
122.5°	328.2	304.7	282.3	268.1	255.8	236.5	218.1	203.8	194.7	187.5	185.5
125°	364.9	341.4	320.0	308.8	296.6	275.2	252.8	236.5	223.2	212.0	204.9
127.5°	400.6	378.1	355.7	345.5	335.3	311.9	290.5	274.2	256.8	242.6	231.4
130°	435.2	412.8	392.4	383.2	370.0	347.6	327.2	308.8	294.6	279.3	263.0
132.5°	469.9	448.5	429.1	418.9	407.7	384.2	363.9	346.5	329.2	316.0	302.7
135°	501.5	480.1	461.7	453.6	440.3	419.9	400.6	384.2	366.9	351.6	339.4
137.5°	532.0	511.7	493.3	485.2	473.9	454.6	436.2	420.9	402.6	387.3	376.1
140°	560.6	540.2	522.9	514.7	505.5	487.2	468.8	456.6	438.3	424.0	411.8
142.5°	589.1	569.7	552.4	545.3	536.1	518.8	501.5	491.3	475.0	461.7	448.5
145°	614.6	595.2	579.9	573.8	565.7	548.3	533.1	522.9	510.6	497.4	484.1
147.5°	639.1	620.7	606.4	601.3	594.2	578.9	563.6	554.5	545.3	531.0	518.8
150°	663.5	644.2	631.9	626.8	620.7	607.5	593.2	583.0	575.9	561.6	551.4
152.5°	685.9	669.6	656.4	650.3	645.2	634.0	619.7	609.5	605.4	593.2	582.0
155°	706.3	690.0	679.8	672.7	669.6	657.4	646.2	635.0	632.9	619.7	611.5
157.5°	723.7	709.4	698.2	694.1	690.0	680.8	669.6	660.5	658.4	647.2	638.0
160°	741.0	726.7	718.6	714.5	710.4	700.2	691.0	681.9	681.9	673.7	665.6
162.5°	755.2	743.0	735.9	732.8	729.8	722.6	712.4	703.3	703.3	697.2	690.0
165°	768.5	757.3	751.2	749.1	745.1	740.0	732.8	723.7	724.7	718.6	712.4
167.5°	781.7	770.5	765.4	763.4	761.4	756.3	750.2	742.0	743.0	740.0	732.8
170°	791.9	781.7	777.7	775.6	774.6	770.5	766.5	759.3	760.3	758.3	752.2
172.5°	799.1	790.9	788.9	786.8	786.8	783.8	780.7	774.6	775.6	776.7	769.5
175°	805.2	798.1	797.0	796.0	796.0	795.0	793.0	787.9	789.9	791.9	785.8
177.5°	810.3	805.2	805.2	805.2	805.2	805.2	804.2	800.1	802.1	806.2	800.1
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	279.3	279.3	279.3	279.3	279.3	279.3	279.3	279.3
2.5°	279.3	279.3	279.3	279.3	279.3	277.2	276.2	275.2
5°	278.2	278.2	277.2	277.2	278.2	277.2	276.2	275.2
7.5°	275.2	275.2	275.2	275.2	276.2	275.2	274.2	275.2
10°	272.1	272.1	271.1	271.1	272.1	272.1	271.1	272.1
12.5°	268.1	268.1	267.0	268.1	268.1	268.1	268.1	268.1
15°	263.0	261.9	261.9	261.9	263.0	263.0	263.0	264.0
17.5°	255.8	255.8	254.8	255.8	256.8	255.8	254.8	254.8
20°	249.7	248.7	248.7	248.7	249.7	248.7	248.7	248.7
22.5°	242.6	241.6	241.6	241.6	242.6	241.6	240.5	240.5
25°	234.4	234.4	234.4	234.4	234.4	233.4	232.4	232.4
27.5°	227.3	227.3	226.3	227.3	226.3	225.2	224.2	224.2
30°	219.1	219.1	218.1	219.1	218.1	217.1	216.1	216.1
32.5°	211.0	210.0	210.0	211.0	210.0	208.9	207.9	207.9
35°	201.8	201.8	201.8	201.8	200.8	199.8	198.7	197.7
37.5°	193.7	192.6	192.6	192.6	191.6	190.6	190.6	190.6
40°	184.5	183.5	183.5	184.5	182.4	181.4	181.4	181.4
42.5°	175.3	175.3	174.3	174.3	173.3	172.2	171.2	171.2
45°	165.1	166.1	165.1	165.1	164.1	163.1	162.1	163.1
47.5°	155.9	155.9	155.9	155.9	154.9	153.9	152.9	153.9
50°	146.8	146.8	146.8	146.8	144.7	144.7	143.7	143.7
52.5°	137.6	137.6	136.6	136.6	135.6	135.6	134.5	134.5
55°	127.4	127.4	127.4	127.4	126.4	125.4	125.4	125.4
57.5°	118.2	118.2	117.2	117.2	116.2	116.2	115.2	116.2
60°	108.0	108.0	108.0	108.0	107.0	107.0	106.0	106.0
62.5°	98.9	97.8	97.8	97.8	96.8	96.8	96.8	96.8
65°	88.7	88.7	87.7	88.7	87.7	87.7	86.6	86.6
67.5°	79.5	78.5	78.5	78.5	78.5	77.5	77.5	77.5
70°	69.3	68.3	68.3	68.3	68.3	68.3	67.3	68.3
72.5°	59.1	59.1	59.1	59.1	58.1	58.1	58.1	58.1
75°	49.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
77.5°	40.8	39.7	39.7	39.7	39.7	38.7	38.7	38.7
80°	30.6	30.6	30.6	29.6	29.6	29.6	29.6	29.6
82.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	19.4
85°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
87.5°	5.1	5.1	5.1	5.1	6.1	6.1	6.1	6.1
90°	6.1	6.1	7.1	7.1	7.1	7.1	8.2	8.2
92.5°	16.3	16.3	17.3	17.3	16.3	16.3	17.3	17.3
95°	31.6	31.6	31.6	31.6	30.6	30.6	31.6	31.6
97.5°	51.0	49.9	51.0	49.9	48.9	48.9	48.9	47.9
100°	67.3	67.3	68.3	68.3	68.3	68.3	69.3	68.3
102.5°	76.4	77.5	78.5	78.5	79.5	80.5	80.5	80.5
105°	82.6	83.6	85.6	86.6	89.7	90.7	91.7	91.7
107.5°	94.8	94.8	95.8	96.8	96.8	97.8	98.9	98.9
110°	117.2	113.1	112.1	112.1	110.1	110.1	111.1	112.1



TEST NUMBER: P303200

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	137.6	138.6	138.6	139.6	135.6	133.5	134.5	134.5
115°	150.8	152.9	152.9	154.9	154.9	155.9	158.0	158.0
117.5°	160.0	163.1	164.1	165.1	168.2	169.2	171.2	171.2
120°	171.2	173.3	174.3	175.3	176.3	177.3	178.4	179.4
122.5°	185.5	184.5	185.5	185.5	186.5	187.5	187.5	188.6
125°	201.8	200.8	199.8	200.8	198.7	197.7	197.7	198.7
127.5°	224.2	220.2	218.1	216.1	215.1	214.0	213.0	212.0
130°	252.8	246.7	242.6	241.6	236.5	233.4	231.4	232.4
132.5°	290.5	281.3	277.2	275.2	266.0	260.9	258.9	258.9
135°	328.2	318.0	313.9	308.8	302.7	297.6	292.5	292.5
137.5°	363.9	356.7	351.6	346.5	340.4	335.3	330.2	329.2
140°	399.5	391.4	386.3	382.2	377.1	372.0	366.9	370.0
142.5°	436.2	427.1	422.0	420.9	413.8	408.7	405.7	406.7
145°	471.9	462.7	458.7	456.6	450.5	444.4	441.3	439.3
147.5°	507.6	499.4	495.3	493.3	487.2	481.1	478.0	477.0
150°	541.2	534.1	530.0	526.9	522.9	517.8	511.7	511.7
152.5°	573.8	566.7	561.6	561.6	557.5	551.4	545.3	548.3
155°	603.4	597.3	594.2	593.2	589.1	584.0	578.9	581.0
157.5°	631.9	624.8	622.7	620.7	618.7	614.6	609.5	611.5
160°	659.4	653.3	651.3	649.2	647.2	643.1	638.0	639.1
162.5°	685.9	681.9	677.8	676.8	675.7	670.7	665.6	666.6
165°	708.4	704.3	701.2	700.2	700.2	696.1	691.0	692.1
167.5°	729.8	724.7	722.6	720.6	721.6	718.6	714.5	716.5
170°	749.1	746.1	744.0	743.0	744.0	740.0	736.9	737.9
172.5°	767.5	765.4	763.4	762.4	764.4	761.4	757.3	758.3
175°	783.8	781.7	780.7	779.7	780.7	776.7	774.6	775.6
177.5°	799.1	798.1	797.0	796.0	798.1	793.0	788.9	790.9
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3

(END OF REPORT)