

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: P303204

Luminaire Tested: **CTW-F-7525-30L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303204
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-7525-30L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

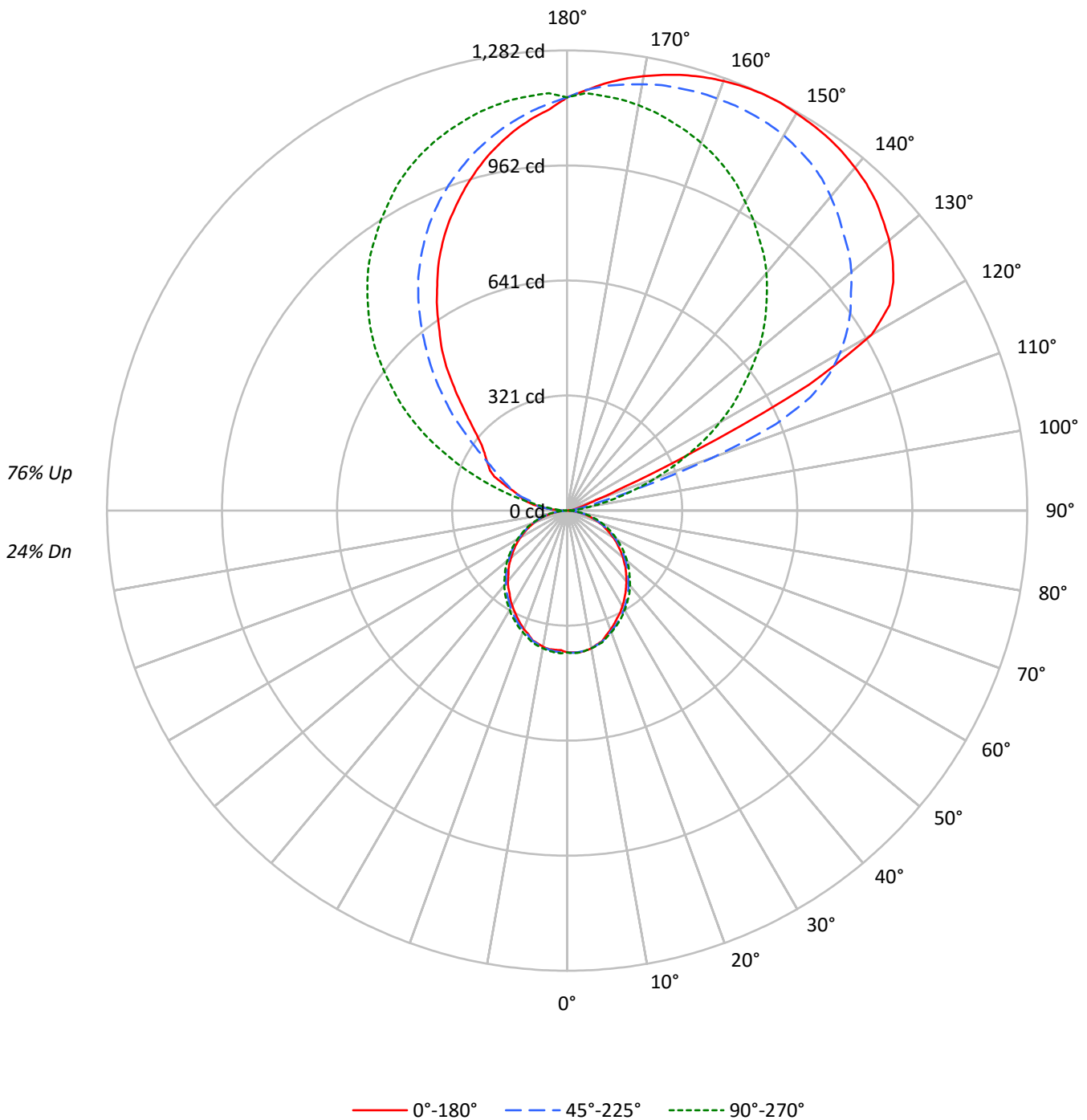
Lumens per Lamp: N/A
Luminaire Lumens: 4309.8 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.3
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°	5672	5672	5672
5°	5714	5714	5610
10°	5675	5675	5612
15°	5593	5636	5551
20°	5397	5507	5375
25°	5230	5413	5207
30°	5091	5306	5068
35°	4953	5205	4902
40°	4809	5107	4809
45°	4684	4977	4684
50°	4541	4863	4541
55°	4366	4727	4439
60°	4222	4595	4306
65°	4017	4455	4163
70°	3814	4356	4054
75°	3599	4159	3837
80°	3099	3818	3455
85°	1894	3326	2849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	0.9
10°-20°	105.2	2.4
20°-30°	154.4	3.6
30°-40°	181.0	4.2
40°-50°	183.4	4.3
50°-60°	163.5	3.8
60°-70°	125.5	2.9
70°-80°	74.5	1.7
80°-90°	20.9	0.5
90°-100°	34.2	0.8
100°-110°	141.7	3.3
110°-120°	398.2	9.2
120°-130°	575.2	13.3
130°-140°	618.6	14.4
140°-150°	588.4	13.7
150°-160°	483.0	11.2
160°-170°	315.4	7.3
170°-180°	109.3	2.5
0°-30°	296.9	6.9
0°-40°	478.0	11.1
0°-60°	825.0	19.1
0°-90°	1045.8	24.3
90°-120°	574.0	13.3
90°-150°	2356.3	54.7
90°-180°	3264.0	75.7
0°-180°	4309.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	395	395	395	395	395	
5°	397	395	397	394	389	38
15°	376	378	379	375	374	105
25°	330	339	342	336	329	152
35°	283	293	297	290	280	177
45°	231	238	245	239	231	178
55°	174	182	189	185	177	157
65°	118	126	131	128	123	118
75°	65	69	75	72	69	68
85°	12	14	20	17	17	15
90°	3	1	1	7	12	2
95°	9	10	24	45	45	10
105°	39	100	154	108	130	46
115°	388	749	374	196	224	452
125°	1109	964	594	316	281	984
135°	1217	1089	783	519	414	939
145°	1268	1183	930	723	622	795
155°	1282	1219	1049	896	822	592
165°	1256	1217	1122	1026	979	356
175°	1194	1187	1160	1118	1098	115
180°	1151	1151	1151	1151	1151	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2
2.5°	395.2	393.7	395.2	395.2	396.6	396.6	396.6	395.2	396.6	398.1	396.6
5°	396.6	396.6	395.2	395.2	395.2	395.2	395.2	393.7	395.2	396.6	395.2
7.5°	393.7	393.7	393.7	392.3	392.3	392.3	392.3	392.3	392.3	393.7	393.7
10°	389.4	389.4	388.0	386.5	388.0	388.0	388.0	386.5	388.0	389.4	389.4
12.5°	382.2	383.7	382.2	382.2	382.2	382.2	382.2	382.2	383.7	385.1	383.7
15°	376.4	376.4	376.4	375.0	375.0	375.0	375.0	373.6	376.4	377.9	377.9
17.5°	363.5	363.5	363.5	364.9	366.3	366.3	366.3	364.9	364.9	369.2	367.8
20°	353.4	353.4	353.4	353.4	354.8	354.8	354.8	354.8	354.8	357.7	357.7
22.5°	341.8	343.3	343.3	343.3	344.7	344.7	344.7	344.7	344.7	347.6	349.0
25°	330.3	331.7	331.7	333.2	333.2	333.2	333.2	334.6	334.6	337.5	338.9
27.5°	320.2	320.2	320.2	321.6	321.6	323.1	323.1	324.5	324.5	326.0	328.8
30°	307.2	307.2	308.7	308.7	310.1	311.5	311.5	313.0	313.0	314.4	317.3
32.5°	295.7	295.7	295.7	297.1	298.6	298.6	298.6	300.0	300.0	301.4	304.3
35°	282.7	282.7	282.7	284.1	284.1	285.6	285.6	287.0	288.5	289.9	292.8
37.5°	269.7	269.7	269.7	271.2	271.2	272.6	274.0	275.5	275.5	276.9	279.8
40°	256.7	256.7	256.7	258.2	259.6	259.6	259.6	261.1	262.5	263.9	265.4
42.5°	243.7	242.3	243.7	243.7	245.2	246.6	246.6	248.1	249.5	251.0	252.4
45°	230.8	229.3	230.8	230.8	232.2	232.2	232.2	235.1	235.1	236.5	238.0
47.5°	216.3	216.3	216.3	216.3	219.2	217.8	219.2	220.7	222.1	223.6	225.0
50°	203.4	201.9	203.4	203.4	204.8	204.8	204.8	206.2	207.7	209.1	210.6
52.5°	188.9	188.9	188.9	188.9	190.4	191.8	191.8	193.3	193.3	194.7	196.2
55°	174.5	174.5	176.0	176.0	177.4	177.4	177.4	178.8	178.8	181.7	181.7
57.5°	161.5	161.5	161.5	161.5	163.0	163.0	164.4	164.4	164.4	167.3	168.7
60°	147.1	147.1	148.6	147.1	150.0	148.6	150.0	150.0	151.4	152.9	154.3
62.5°	132.7	134.1	134.1	134.1	134.1	135.6	135.6	137.0	137.0	138.5	139.9
65°	118.3	118.3	119.7	119.7	121.2	121.2	121.2	122.6	122.6	124.0	125.5
67.5°	106.7	106.7	105.3	105.3	106.7	106.7	108.2	108.2	108.2	109.6	109.6
70°	90.9	92.3	92.3	92.3	92.3	93.7	93.7	93.7	95.2	95.2	96.6
72.5°	77.9	77.9	77.9	77.9	77.9	79.3	79.3	79.3	80.8	80.8	82.2
75°	64.9	63.5	64.9	63.5	64.9	64.9	64.9	66.3	66.3	66.3	69.2
77.5°	50.5	50.5	50.5	50.5	50.5	50.5	51.9	51.9	53.4	54.8	54.8
80°	37.5	36.1	37.5	37.5	37.5	37.5	37.5	37.5	38.9	40.4	40.4
82.5°	23.1	23.1	23.1	23.1	24.5	24.5	24.5	24.5	26.0	27.4	27.4
85°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	13.0	13.0	14.4	14.4
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9
90°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4
92.5°	4.3	4.3	4.3	4.3	4.3	5.8	5.8	4.3	5.8	5.8	5.8
95°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	10.1	10.1	10.1	10.1
97.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	15.9	15.9	17.3	18.7
100°	20.2	20.2	20.2	20.2	20.2	21.6	21.6	23.1	24.5	27.4	31.7
102.5°	28.8	28.8	28.8	28.8	30.3	31.7	31.7	33.2	37.5	43.3	53.4
105°	38.9	38.9	40.4	40.4	41.8	43.3	44.7	50.5	59.1	73.6	99.5
107.5°	54.8	54.8	56.2	59.1	62.0	64.9	70.7	85.1	111.1	151.4	216.3
110°	85.1	85.1	88.0	98.1	108.2	115.4	132.7	176.0	248.1	336.1	429.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	168.7	171.6	180.3	207.7	243.7	266.8	315.9	411.1	499.0	587.0	628.8
115°	388.0	429.8	441.3	493.3	559.6	591.3	626.0	690.9	738.5	760.1	748.6
117.5°	760.1	794.7	793.3	832.2	849.5	859.6	868.3	876.9	859.6	851.0	823.6
120°	979.3	988.0	976.4	977.9	975.0	970.7	966.3	951.9	931.7	908.7	878.4
122.5°	1064.4	1061.5	1055.8	1048.6	1037.0	1028.4	1021.2	1002.4	980.8	954.8	923.1
125°	1109.1	1106.2	1100.5	1090.4	1077.4	1070.2	1061.5	1042.8	1019.7	993.7	963.5
127.5°	1143.7	1139.4	1133.7	1123.6	1112.0	1103.4	1097.6	1077.4	1054.3	1029.8	996.6
130°	1171.2	1168.3	1161.1	1153.8	1140.9	1133.7	1126.4	1109.1	1083.2	1060.1	1034.1
132.5°	1194.2	1192.8	1187.0	1179.8	1166.8	1159.6	1153.8	1136.5	1112.0	1087.5	1064.4
135°	1217.3	1214.4	1208.7	1201.4	1188.5	1182.7	1175.5	1161.1	1136.5	1112.0	1088.9
137.5°	1234.6	1230.3	1226.0	1220.2	1207.2	1202.9	1195.7	1179.8	1158.2	1138.0	1117.8
140°	1247.6	1243.3	1238.9	1234.6	1223.1	1218.7	1213.0	1197.1	1175.5	1158.2	1142.3
142.5°	1259.1	1254.8	1251.9	1247.6	1237.5	1233.2	1228.8	1213.0	1194.2	1178.4	1165.4
145°	1267.8	1263.5	1262.0	1257.7	1249.0	1244.7	1240.4	1224.5	1207.2	1191.3	1182.7
147.5°	1273.6	1272.1	1269.2	1264.9	1257.7	1254.8	1250.5	1236.1	1217.3	1205.8	1195.7
150°	1277.9	1277.9	1275.0	1272.1	1264.9	1262.0	1257.7	1243.3	1228.8	1218.7	1207.2
152.5°	1282.2	1282.2	1279.3	1275.0	1269.2	1266.3	1260.6	1247.6	1234.6	1227.4	1214.4
155°	1282.2	1283.7	1280.8	1275.0	1270.7	1266.3	1262.0	1249.0	1237.5	1231.7	1218.7
157.5°	1279.3	1280.8	1276.4	1272.1	1267.8	1264.9	1259.1	1247.6	1238.9	1234.6	1221.6
160°	1273.6	1275.0	1272.1	1267.8	1263.5	1262.0	1256.2	1246.2	1238.9	1234.6	1221.6
162.5°	1266.3	1267.8	1266.3	1262.0	1259.1	1257.7	1251.9	1243.3	1236.1	1233.2	1221.6
165°	1256.2	1257.7	1256.2	1251.9	1250.5	1247.6	1243.3	1234.6	1228.8	1228.8	1217.3
167.5°	1243.3	1244.7	1243.3	1236.1	1236.1	1233.2	1231.7	1224.5	1221.6	1223.1	1214.4
170°	1228.8	1230.3	1227.4	1223.1	1224.5	1221.6	1220.2	1215.9	1213.0	1214.4	1205.8
172.5°	1213.0	1214.4	1213.0	1208.7	1210.1	1208.7	1207.2	1201.4	1200.0	1204.3	1197.1
175°	1194.2	1194.2	1194.2	1189.9	1192.8	1191.3	1189.9	1187.0	1187.0	1191.3	1187.0
177.5°	1171.2	1171.2	1172.6	1171.2	1174.0	1172.6	1172.6	1171.2	1171.2	1176.9	1172.6
180°	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2
2.5°	393.7	392.3	392.3	393.7	393.7	393.7	395.2	396.6	396.6	398.1	396.6
5°	393.7	392.3	390.9	392.3	393.7	393.7	393.7	395.2	395.2	396.6	395.2
7.5°	390.9	389.4	389.4	390.9	390.9	390.9	390.9	392.3	392.3	393.7	392.3
10°	386.5	385.1	385.1	385.1	386.5	386.5	388.0	389.4	389.4	389.4	388.0
12.5°	382.2	380.8	380.8	380.8	382.2	382.2	382.2	383.7	385.1	385.1	383.7
15°	373.6	372.1	372.1	373.6	375.0	375.0	376.4	377.9	379.3	379.3	377.9
17.5°	366.3	364.9	364.9	366.3	366.3	367.8	367.8	369.2	367.8	369.2	367.8
20°	356.2	354.8	354.8	356.2	356.2	357.7	357.7	359.1	360.6	360.6	359.1
22.5°	347.6	344.7	346.2	346.2	347.6	347.6	349.0	350.5	350.5	351.9	350.5
25°	337.5	336.1	336.1	337.5	337.5	338.9	338.9	340.4	341.8	341.8	340.4
27.5°	327.4	326.0	324.5	326.0	327.4	328.8	328.8	330.3	331.7	331.7	330.3
30°	315.9	314.4	314.4	315.9	315.9	317.3	318.7	318.7	321.6	320.2	318.7
32.5°	305.8	304.3	302.9	304.3	305.8	305.8	307.2	308.7	308.7	308.7	307.2
35°	292.8	291.3	291.3	291.3	292.8	294.2	295.7	295.7	297.1	297.1	295.7
37.5°	281.2	279.8	278.4	279.8	281.2	282.7	282.7	284.1	284.1	285.6	284.1
40°	268.3	266.8	266.8	266.8	268.3	269.7	269.7	271.2	272.6	272.6	271.2
42.5°	255.3	253.8	253.8	253.8	255.3	256.7	256.7	258.2	259.6	258.2	258.2
45°	242.3	240.9	240.9	240.9	242.3	242.3	243.7	245.2	245.2	245.2	243.7
47.5°	226.4	227.9	227.9	227.9	227.9	229.3	229.3	230.8	230.8	232.2	230.8
50°	212.0	213.5	213.5	213.5	214.9	214.9	216.3	216.3	216.3	217.8	216.3
52.5°	199.0	199.0	199.0	200.5	200.5	200.5	201.9	203.4	203.4	203.4	201.9
55°	184.6	184.6	186.1	187.5	187.5	187.5	187.5	188.9	188.9	188.9	188.9
57.5°	170.2	170.2	171.6	173.1	173.1	173.1	173.1	174.5	174.5	174.5	173.1
60°	155.8	155.8	157.2	158.7	158.7	158.7	158.7	160.1	160.1	160.1	160.1
62.5°	141.3	141.3	142.8	144.2	144.2	144.2	144.2	145.7	145.7	145.7	145.7
65°	126.9	126.9	128.4	129.8	129.8	129.8	131.2	131.2	132.7	131.2	132.7
67.5°	112.5	113.9	113.9	115.4	115.4	115.4	116.8	116.8	118.3	118.3	118.3
70°	98.1	99.5	99.5	101.0	101.0	101.0	101.0	102.4	103.8	103.8	103.8
72.5°	83.7	83.7	85.1	86.5	86.5	86.5	88.0	88.0	89.4	89.4	89.4
75°	69.2	70.7	70.7	72.1	72.1	72.1	73.6	73.6	75.0	75.0	75.0
77.5°	54.8	56.2	57.7	59.1	57.7	59.1	59.1	60.6	60.6	60.6	62.0
80°	41.8	43.3	43.3	44.7	44.7	44.7	44.7	46.2	47.6	46.2	47.6
82.5°	28.8	28.8	30.3	31.7	31.7	31.7	31.7	33.2	33.2	33.2	34.6
85°	15.9	17.3	17.3	17.3	18.7	18.7	20.2	20.2	20.2	20.2	21.6
87.5°	4.3	4.3	5.8	7.2	7.2	7.2	7.2	8.7	8.7	8.7	10.1
90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
92.5°	5.8	5.8	7.2	7.2	8.7	8.7	11.5	13.0	11.5	8.7	11.5
95°	11.5	14.4	17.3	23.1	26.0	27.4	34.6	34.6	30.3	24.5	23.1
97.5°	23.1	28.8	36.1	49.0	54.8	62.0	69.2	66.3	54.8	44.7	41.8
100°	38.9	51.9	73.6	96.6	106.7	115.4	116.8	106.7	89.4	73.6	66.3
102.5°	72.1	102.4	142.8	178.8	183.2	187.5	178.8	158.7	132.7	109.6	95.2
105°	147.1	207.7	256.7	278.4	276.9	272.6	248.1	217.8	184.6	154.3	129.8
107.5°	302.9	360.6	390.9	380.8	367.8	354.8	317.3	282.7	240.9	203.4	177.4
110°	497.6	513.5	501.9	470.2	450.0	432.7	389.4	346.2	300.0	259.6	223.6



TEST NUMBER: P303204

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	637.5	615.9	581.2	540.9	520.7	499.0	454.3	412.5	359.1	317.3	276.9
115°	725.5	689.4	649.0	605.8	584.1	562.5	519.2	471.6	418.3	373.6	333.2
117.5°	787.5	747.1	708.2	666.3	643.3	621.6	576.9	529.3	476.0	435.6	392.3
120°	840.9	803.4	761.5	719.7	698.1	677.9	631.7	584.1	532.2	491.8	447.1
122.5°	888.5	851.0	809.1	768.7	748.6	728.4	682.2	634.6	585.6	546.6	500.5
125°	928.8	894.2	855.3	813.5	794.7	774.5	728.4	683.7	637.5	594.2	553.8
127.5°	970.7	936.1	898.6	858.2	838.0	816.3	773.1	728.4	685.1	644.7	605.8
130°	1005.3	970.7	936.1	897.1	876.9	856.7	814.9	771.6	731.2	696.6	654.8
132.5°	1038.5	1005.3	970.7	930.3	911.5	892.8	855.3	814.9	778.8	741.3	702.4
135°	1068.7	1034.1	1001.0	962.0	943.3	927.4	889.9	852.4	819.2	783.2	747.1
137.5°	1093.3	1061.5	1025.5	989.4	973.6	959.1	923.1	888.5	856.7	823.6	790.4
140°	1116.3	1083.2	1048.6	1015.4	999.5	986.5	953.4	923.1	892.8	863.9	830.8
142.5°	1138.0	1103.4	1068.7	1038.5	1025.5	1012.5	983.7	954.8	926.0	900.0	868.3
145°	1153.8	1120.7	1087.5	1060.1	1050.0	1037.0	1008.2	983.7	957.7	930.3	902.9
147.5°	1169.7	1138.0	1107.7	1081.7	1071.6	1060.1	1034.1	1012.5	988.0	963.5	936.1
150°	1182.7	1151.0	1125.0	1101.9	1091.8	1083.2	1057.2	1038.5	1015.4	992.3	969.2
152.5°	1189.9	1162.5	1138.0	1119.2	1110.6	1101.9	1080.3	1064.4	1041.3	1024.0	999.5
155°	1194.2	1171.2	1149.5	1133.7	1126.4	1120.7	1099.0	1084.6	1065.9	1048.6	1026.9
157.5°	1198.6	1176.9	1158.2	1145.2	1139.4	1132.2	1113.5	1101.9	1086.1	1071.6	1051.4
160°	1200.0	1181.2	1165.4	1153.8	1149.5	1143.7	1127.9	1117.8	1103.4	1090.4	1071.6
162.5°	1200.0	1185.6	1171.2	1162.5	1158.2	1152.4	1139.4	1132.2	1119.2	1107.7	1091.8
165°	1200.0	1187.0	1174.0	1168.3	1163.9	1161.1	1149.5	1142.3	1130.8	1122.1	1109.1
167.5°	1197.1	1185.6	1176.9	1172.6	1169.7	1165.4	1156.7	1151.0	1142.3	1136.5	1123.6
170°	1191.3	1182.7	1174.0	1172.6	1171.2	1168.3	1161.1	1158.2	1152.4	1146.6	1136.5
172.5°	1185.6	1176.9	1171.2	1171.2	1169.7	1168.3	1162.5	1162.5	1158.2	1155.3	1145.2
175°	1174.0	1168.3	1163.9	1165.4	1165.4	1163.9	1161.1	1162.5	1161.1	1159.6	1153.8
177.5°	1162.5	1158.2	1156.7	1159.6	1159.6	1159.6	1158.2	1162.5	1162.5	1163.9	1158.2
180°	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0



TEST NUMBER: P303204

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2
2.5°	393.7	392.3	392.3	392.3	392.3	393.7	393.7	392.3	395.2	396.6	395.2
5°	392.3	390.9	390.9	390.9	392.3	392.3	392.3	392.3	393.7	395.2	393.7
7.5°	390.9	388.0	388.0	388.0	389.4	389.4	389.4	388.0	390.9	392.3	389.4
10°	385.1	383.7	383.7	383.7	385.1	385.1	385.1	383.7	385.1	386.5	385.1
12.5°	380.8	379.3	379.3	379.3	379.3	380.8	379.3	379.3	380.8	382.2	379.3
15°	373.6	370.7	370.7	370.7	372.1	372.1	372.1	370.7	375.0	373.6	372.1
17.5°	364.9	362.0	362.0	362.0	363.5	363.5	362.0	360.6	363.5	363.5	362.0
20°	356.2	353.4	353.4	353.4	354.8	354.8	354.8	353.4	354.8	354.8	353.4
22.5°	347.6	344.7	344.7	344.7	346.2	346.2	344.7	343.3	346.2	344.7	343.3
25°	337.5	336.1	336.1	336.1	336.1	336.1	334.6	333.2	336.1	334.6	333.2
27.5°	327.4	326.0	326.0	326.0	326.0	326.0	324.5	323.1	324.5	323.1	323.1
30°	317.3	314.4	314.4	315.9	315.9	314.4	313.0	313.0	314.4	313.0	311.5
32.5°	305.8	304.3	302.9	304.3	304.3	304.3	301.4	301.4	301.4	300.0	300.0
35°	294.2	292.8	291.3	292.8	292.8	291.3	289.9	289.9	289.9	288.5	287.0
37.5°	281.2	279.8	279.8	279.8	279.8	279.8	276.9	278.4	278.4	275.5	275.5
40°	268.3	266.8	266.8	268.3	268.3	266.8	265.4	266.8	265.4	263.9	262.5
42.5°	256.7	253.8	255.3	255.3	255.3	253.8	253.8	253.8	252.4	251.0	249.5
45°	242.3	240.9	242.3	242.3	242.3	240.9	240.9	239.4	239.4	238.0	236.5
47.5°	229.3	227.9	229.3	229.3	229.3	226.4	227.9	226.4	226.4	223.6	223.6
50°	214.9	214.9	216.3	214.9	214.9	213.5	213.5	212.0	212.0	210.6	209.1
52.5°	201.9	201.9	201.9	201.9	201.9	200.5	200.5	199.0	199.0	197.6	196.2
55°	187.5	187.5	188.9	188.9	187.5	186.1	186.1	186.1	184.6	183.2	181.7
57.5°	173.1	174.5	174.5	173.1	174.5	173.1	171.6	171.6	170.2	168.7	168.7
60°	160.1	160.1	160.1	160.1	160.1	158.7	158.7	158.7	155.8	154.3	154.3
62.5°	145.7	147.1	145.7	145.7	145.7	144.2	144.2	144.2	142.8	141.3	141.3
65°	132.7	132.7	132.7	131.2	131.2	131.2	131.2	129.8	128.4	126.9	126.9
67.5°	118.3	118.3	118.3	118.3	116.8	116.8	115.4	115.4	113.9	113.9	112.5
70°	103.8	103.8	103.8	103.8	102.4	102.4	102.4	101.0	99.5	99.5	99.5
72.5°	89.4	89.4	89.4	89.4	89.4	88.0	88.0	86.5	86.5	86.5	85.1
75°	75.0	75.0	75.0	75.0	75.0	73.6	73.6	72.1	72.1	72.1	70.7
77.5°	60.6	60.6	60.6	60.6	60.6	60.6	59.1	59.1	59.1	57.7	57.7
80°	47.6	47.6	46.2	47.6	46.2	46.2	46.2	46.2	44.7	44.7	43.3
82.5°	33.2	34.6	33.2	33.2	33.2	33.2	33.2	31.7	31.7	31.7	30.3
85°	21.6	21.6	21.6	20.2	20.2	20.2	18.7	18.7	17.3	18.7	17.3
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	7.2	8.7	7.2
90°	2.9	4.3	4.3	4.3	5.8	7.2	5.8	7.2	7.2	8.7	8.7
92.5°	17.3	20.2	20.2	20.2	21.6	23.1	21.6	23.1	23.1	23.1	21.6
95°	27.4	31.7	40.4	41.8	44.7	47.6	47.6	46.2	44.7	44.7	43.3
97.5°	38.9	46.2	47.6	50.5	53.4	62.0	66.3	70.7	73.6	73.6	72.1
100°	60.6	59.1	66.3	70.7	67.8	69.2	73.6	82.2	86.5	89.4	92.3
102.5°	86.5	79.3	79.3	82.2	86.5	93.7	88.0	90.9	93.7	98.1	105.3
105°	118.3	106.7	102.4	101.0	102.4	108.2	115.4	112.5	108.2	111.1	113.9
107.5°	155.8	141.3	128.4	125.5	125.5	125.5	131.2	138.5	142.8	138.5	131.2
110°	199.0	177.4	161.5	154.3	151.4	148.6	147.1	154.3	163.0	167.3	168.7



TEST NUMBER: P303204

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	246.6	219.2	199.0	191.8	183.2	174.5	171.6	173.1	176.0	186.1	190.4
115°	300.0	268.3	240.9	232.2	223.6	204.8	197.6	194.7	196.2	199.0	206.2
117.5°	353.4	321.6	288.5	275.5	265.4	245.2	226.4	220.7	217.8	219.2	220.7
120°	411.1	376.4	340.4	324.5	311.5	289.9	263.9	249.5	242.3	240.9	239.4
122.5°	464.4	431.2	399.5	379.3	362.0	334.6	308.7	288.5	275.5	265.4	262.5
125°	516.3	483.2	452.9	437.0	419.7	389.4	357.7	334.6	315.9	300.0	289.9
127.5°	566.8	535.1	503.4	488.9	474.5	441.3	411.1	388.0	363.5	343.3	327.4
130°	615.9	584.1	555.3	542.3	523.6	491.8	463.0	437.0	416.8	395.2	372.1
132.5°	664.9	634.6	607.2	592.8	576.9	543.7	514.9	490.4	465.9	447.1	428.4
135°	709.6	679.3	653.4	641.8	623.1	594.2	566.8	543.7	519.2	497.6	480.3
137.5°	752.9	724.0	698.1	686.5	670.7	643.3	617.3	595.7	569.7	548.1	532.2
140°	793.3	764.4	739.9	728.4	715.4	689.4	663.5	646.2	620.2	600.0	582.7
142.5°	833.7	806.2	781.7	771.6	758.7	734.1	709.6	695.2	672.1	653.4	634.6
145°	869.7	842.3	820.7	812.0	800.5	776.0	754.3	739.9	722.6	703.8	685.1
147.5°	904.3	878.4	858.2	851.0	840.9	819.2	797.6	784.6	771.6	751.4	734.1
150°	938.9	911.5	894.2	887.0	878.4	859.6	839.4	825.0	814.9	794.7	780.3
152.5°	970.7	947.6	928.8	920.2	913.0	897.1	876.9	862.5	856.7	839.4	823.6
155°	999.5	976.4	962.0	951.9	947.6	930.3	914.4	898.6	895.7	876.9	865.4
157.5°	1024.0	1003.8	988.0	982.2	976.4	963.5	947.6	934.6	931.7	915.9	902.9
160°	1048.6	1028.4	1016.8	1011.1	1005.3	990.9	977.9	964.9	964.9	953.4	941.8
162.5°	1068.7	1051.4	1041.3	1037.0	1032.7	1022.6	1008.2	995.2	995.2	986.5	976.4
165°	1087.5	1071.6	1063.0	1060.1	1054.3	1047.1	1037.0	1024.0	1025.5	1016.8	1008.2
167.5°	1106.2	1090.4	1083.2	1080.3	1077.4	1070.2	1061.5	1050.0	1051.4	1047.1	1037.0
170°	1120.7	1106.2	1100.5	1097.6	1096.2	1090.4	1084.6	1074.5	1076.0	1073.1	1064.4
172.5°	1130.8	1119.2	1116.3	1113.5	1113.5	1109.1	1104.8	1096.2	1097.6	1099.0	1088.9
175°	1139.4	1129.3	1127.9	1126.4	1126.4	1125.0	1122.1	1114.9	1117.8	1120.7	1112.0
177.5°	1146.6	1139.4	1139.4	1139.4	1139.4	1139.4	1138.0	1132.2	1135.1	1140.9	1132.2
180°	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0



TEST NUMBER: P303204

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	395.2	395.2	395.2	395.2	395.2	395.2	395.2	395.2
2.5°	395.2	395.2	395.2	395.2	395.2	392.3	390.9	389.4
5°	393.7	393.7	392.3	392.3	393.7	392.3	390.9	389.4
7.5°	389.4	389.4	389.4	389.4	390.9	389.4	388.0	389.4
10°	385.1	385.1	383.7	383.7	385.1	385.1	383.7	385.1
12.5°	379.3	379.3	377.9	379.3	379.3	379.3	379.3	379.3
15°	372.1	370.7	370.7	370.7	372.1	372.1	372.1	373.6
17.5°	362.0	362.0	360.6	362.0	363.5	362.0	360.6	360.6
20°	353.4	351.9	351.9	351.9	353.4	351.9	351.9	351.9
22.5°	343.3	341.8	341.8	341.8	343.3	341.8	340.4	340.4
25°	331.7	331.7	331.7	331.7	331.7	330.3	328.8	328.8
27.5°	321.6	321.6	320.2	321.6	320.2	318.7	317.3	317.3
30°	310.1	310.1	308.7	310.1	308.7	307.2	305.8	305.8
32.5°	298.6	297.1	297.1	298.6	297.1	295.7	294.2	294.2
35°	285.6	285.6	285.6	285.6	284.1	282.7	281.2	279.8
37.5°	274.0	272.6	272.6	272.6	271.2	269.7	269.7	269.7
40°	261.1	259.6	259.6	261.1	258.2	256.7	256.7	256.7
42.5°	248.1	248.1	246.6	246.6	245.2	243.7	242.3	242.3
45°	233.7	235.1	233.7	233.7	232.2	230.8	229.3	230.8
47.5°	220.7	220.7	220.7	220.7	219.2	217.8	216.3	217.8
50°	207.7	207.7	207.7	207.7	204.8	204.8	203.4	203.4
52.5°	194.7	194.7	193.3	193.3	191.8	191.8	190.4	190.4
55°	180.3	180.3	180.3	180.3	178.8	177.4	177.4	177.4
57.5°	167.3	167.3	165.9	165.9	164.4	164.4	163.0	164.4
60°	152.9	152.9	152.9	152.9	151.4	151.4	150.0	150.0
62.5°	139.9	138.5	138.5	138.5	137.0	137.0	137.0	137.0
65°	125.5	125.5	124.0	125.5	124.0	124.0	122.6	122.6
67.5°	112.5	111.1	111.1	111.1	111.1	109.6	109.6	109.6
70°	98.1	96.6	96.6	96.6	96.6	96.6	95.2	96.6
72.5°	83.7	83.7	83.7	83.7	82.2	82.2	82.2	82.2
75°	70.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2
77.5°	57.7	56.2	56.2	56.2	56.2	54.8	54.8	54.8
80°	43.3	43.3	43.3	41.8	41.8	41.8	41.8	41.8
82.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	27.4
85°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
87.5°	7.2	7.2	7.2	7.2	8.7	8.7	8.7	8.7
90°	8.7	8.7	10.1	10.1	10.1	10.1	11.5	11.5
92.5°	23.1	23.1	24.5	24.5	23.1	23.1	24.5	24.5
95°	44.7	44.7	44.7	44.7	43.3	43.3	44.7	44.7
97.5°	72.1	70.7	72.1	70.7	69.2	69.2	69.2	67.8
100°	95.2	95.2	96.6	96.6	96.6	96.6	98.1	96.6
102.5°	108.2	109.6	111.1	111.1	112.5	113.9	113.9	113.9
105°	116.8	118.3	121.2	122.6	126.9	128.4	129.8	129.8
107.5°	134.1	134.1	135.6	137.0	137.0	138.5	139.9	139.9
110°	165.9	160.1	158.7	158.7	155.8	155.8	157.2	158.7



TEST NUMBER: P303204

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	194.7	196.2	196.2	197.6	191.8	188.9	190.4	190.4
115°	213.5	216.3	216.3	219.2	219.2	220.7	223.6	223.6
117.5°	226.4	230.8	232.2	233.7	238.0	239.4	242.3	242.3
120°	242.3	245.2	246.6	248.1	249.5	251.0	252.4	253.8
122.5°	262.5	261.1	262.5	262.5	263.9	265.4	265.4	266.8
125°	285.6	284.1	282.7	284.1	281.2	279.8	279.8	281.2
127.5°	317.3	311.5	308.7	305.8	304.3	302.9	301.4	300.0
130°	357.7	349.0	343.3	341.8	334.6	330.3	327.4	328.8
132.5°	411.1	398.1	392.3	389.4	376.4	369.2	366.3	366.3
135°	464.4	450.0	444.2	437.0	428.4	421.2	413.9	413.9
137.5°	514.9	504.8	497.6	490.4	481.7	474.5	467.3	465.9
140°	565.4	553.8	546.6	540.9	533.7	526.4	519.2	523.6
142.5°	617.3	604.3	597.1	595.7	585.6	578.4	574.0	575.5
145°	667.8	654.8	649.0	646.2	637.5	628.8	624.5	621.6
147.5°	718.3	706.7	701.0	698.1	689.4	680.8	676.4	675.0
150°	765.9	755.8	750.0	745.7	739.9	732.7	724.0	724.0
152.5°	812.0	801.9	794.7	794.7	788.9	780.3	771.6	776.0
155°	853.8	845.2	840.9	839.4	833.7	826.4	819.2	822.1
157.5°	894.2	884.1	881.2	878.4	875.5	869.7	862.5	865.4
160°	933.2	924.5	921.6	918.7	915.9	910.1	902.9	904.3
162.5°	970.7	964.9	959.1	957.7	956.2	949.0	941.8	943.3
165°	1002.4	996.6	992.3	990.9	990.9	985.1	977.9	979.3
167.5°	1032.7	1025.5	1022.6	1019.7	1021.2	1016.8	1011.1	1013.9
170°	1060.1	1055.8	1052.9	1051.4	1052.9	1047.1	1042.8	1044.2
172.5°	1086.1	1083.2	1080.3	1078.8	1081.7	1077.4	1071.6	1073.1
175°	1109.1	1106.2	1104.8	1103.4	1104.8	1099.0	1096.2	1097.6
177.5°	1130.8	1129.3	1127.9	1126.4	1129.3	1122.1	1116.3	1119.2
180°	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0	1151.0

(END OF REPORT)