

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: P303237

Luminaire Tested: **CTW-F-7525-50L940-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-50L940-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4499.5 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

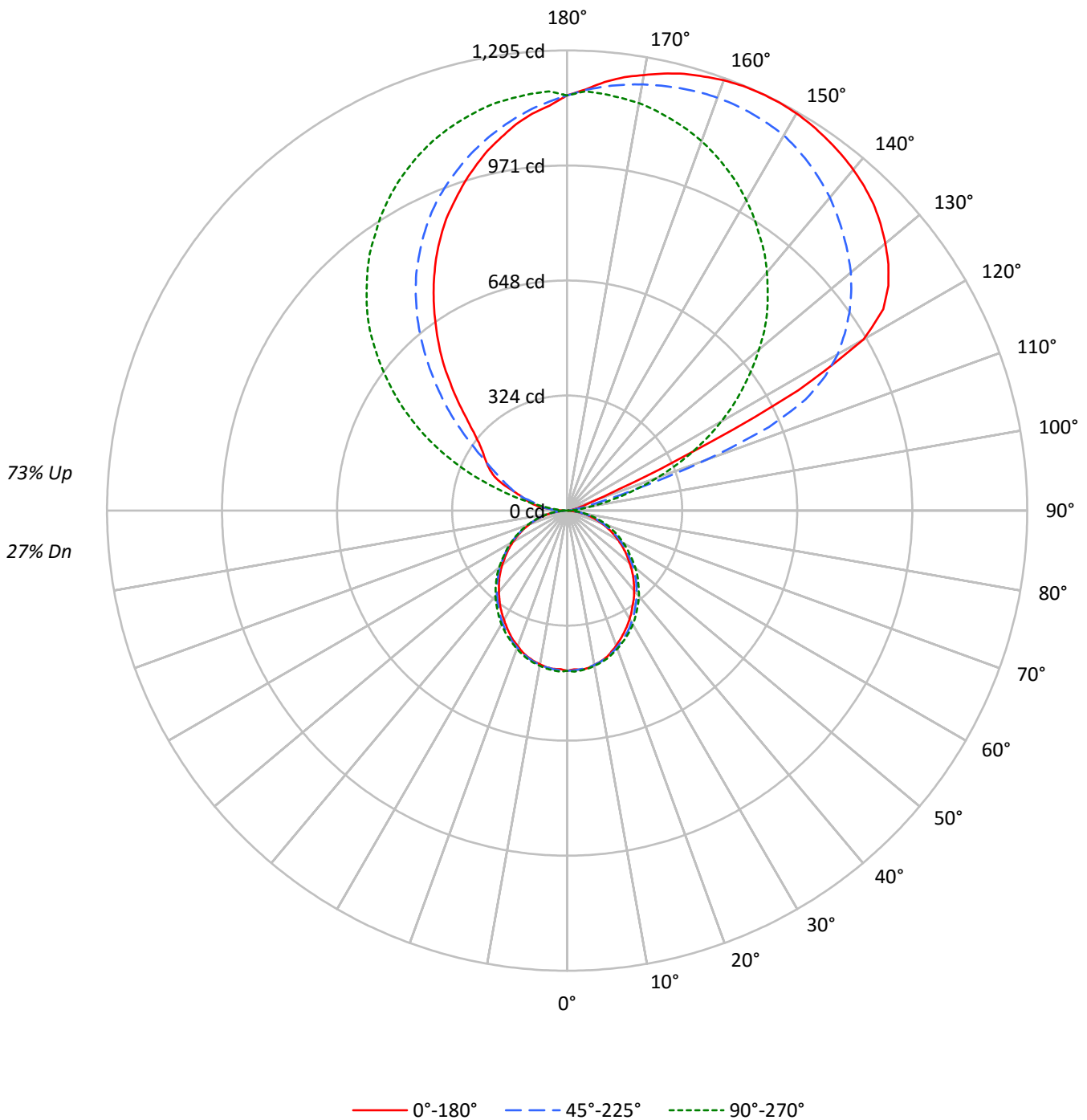
Input Watts (W): 37.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	93	88	85	81	82	79	76	73	61	59	57	45	44	43	31	30	29	22
2	84	77	71	66	75	69	64	60	54	50	47	40	38	36	27	26	24	19
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21	16
4	70	60	52	46	62	53	47	42	42	37	34	31	28	26	21	19	18	13
5	64	53	45	39	57	48	41	36	37	33	29	28	25	22	19	17	15	12
6	59	47	40	34	52	43	36	31	34	29	25	25	22	19	17	15	14	10
7	54	43	35	30	48	38	32	27	30	25	22	23	19	17	16	14	12	9
8	50	38	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11	8
9	47	35	28	23	42	32	25	21	25	20	17	19	16	13	13	11	10	7
10	44	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	9707	9707	9707
5°	9705	9763	9666
10°	9640	9699	9601
15°	9528	9628	9508
20°	9258	9485	9299
25°	9000	9342	9086
30°	8748	9195	8837
35°	8468	8988	8633
40°	8245	8827	8397
45°	8001	8604	8220
50°	7656	8380	7988
55°	7431	8073	7769
60°	7130	7905	7556
65°	6831	7702	7335
70°	6401	7478	7081
75°	5914	7261	6737
80°	4909	6695	6137
85°	2668	6002	4668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	0.9
10°-20°	120.4	2.7
20°-30°	177.7	3.9
30°-40°	208.5	4.6
40°-50°	211.5	4.7
50°-60°	187.4	4.2
60°-70°	143.4	3.2
70°-80°	85.1	1.9
80°-90°	23.6	0.5
90°-100°	32.9	0.7
100°-110°	139.9	3.1
110°-120°	398.1	8.8
120°-130°	581.8	12.9
130°-140°	627.8	14.0
140°-150°	597.5	13.3
150°-160°	490.3	10.9
160°-170°	320.1	7.1
170°-180°	110.9	2.5
0°-30°	340.6	7.6
0°-40°	549.1	12.2
0°-60°	948.0	21.1
0°-90°	1200.1	26.7
90°-120°	570.9	12.7
90°-150°	2378.1	52.9
90°-180°	3299.0	73.3
0°-180°	4499.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	451	451	451	451	451	
5°	449	448	452	448	447	43
15°	428	428	432	428	427	120
25°	379	388	393	388	382	174
35°	322	334	342	336	328	202
45°	263	274	283	277	270	202
55°	198	207	215	214	207	177
65°	134	141	151	148	144	133
75°	71	76	87	84	81	75
85°	11	16	24	22	19	15
90°	2	2	1	6	10	1
95°	8	10	24	45	43	9
105°	39	98	158	109	122	45
115°	376	741	387	201	225	437
125°	1103	969	605	331	291	977
135°	1220	1099	796	536	434	941
145°	1275	1190	944	742	646	800
155°	1295	1232	1062	914	845	599
165°	1273	1230	1139	1041	1002	361
175°	1210	1198	1177	1135	1121	117
180°	1168	1168	1168	1168	1168	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9
2.5°	447.3	447.3	448.2	450.0	450.0	450.0	450.9	451.8	450.9	452.7	450.0
5°	449.1	448.2	448.2	448.2	448.2	449.1	449.1	450.0	449.1	450.9	448.2
7.5°	447.3	446.4	446.4	445.5	444.6	444.6	445.5	446.4	445.5	447.3	445.5
10°	441.0	440.1	441.0	440.1	440.1	441.0	441.0	441.0	441.9	442.8	441.0
12.5°	434.7	434.7	433.8	433.8	433.8	433.8	434.7	435.6	435.6	436.5	435.6
15°	427.5	425.7	426.6	427.5	426.6	427.5	427.5	428.4	428.4	429.3	428.4
17.5°	415.8	415.8	416.7	417.6	417.6	417.6	418.5	418.5	419.4	420.3	419.4
20°	404.1	404.1	404.1	405.9	405.9	405.9	406.8	407.7	408.6	409.5	409.5
22.5°	391.5	391.5	391.5	393.3	393.3	393.3	395.1	396.0	396.9	397.8	398.7
25°	378.9	378.9	379.8	380.7	380.7	380.7	382.5	383.4	384.3	385.2	387.9
27.5°	365.4	365.4	366.3	367.2	368.1	369.0	369.9	370.8	372.6	373.5	376.2
30°	351.9	351.0	351.9	353.7	354.6	354.6	356.4	357.3	359.1	360.0	362.7
32.5°	337.5	336.6	337.5	339.3	340.2	340.2	342.0	342.9	344.7	345.6	349.2
35°	322.2	322.2	324.0	324.0	324.9	325.8	326.7	328.5	330.3	331.2	333.9
37.5°	308.7	307.8	309.6	309.6	310.5	311.4	312.3	314.1	315.9	317.7	319.5
40°	293.4	291.6	293.4	294.3	295.2	296.1	297.0	297.9	300.6	302.4	304.2
42.5°	278.1	276.3	278.1	279.0	280.8	280.8	280.8	282.6	285.3	287.1	288.9
45°	262.8	261.0	262.8	262.8	264.6	265.5	265.5	266.4	269.1	270.9	273.6
47.5°	246.6	246.6	247.5	248.4	249.3	249.3	250.2	251.1	252.9	256.5	257.4
50°	228.6	228.6	229.5	231.3	232.2	234.0	234.0	234.9	236.7	239.4	241.2
52.5°	213.3	212.4	213.3	214.2	215.1	216.0	216.0	216.9	218.7	221.4	223.2
55°	198.0	198.0	198.0	198.9	199.8	199.8	200.7	201.6	202.5	204.3	207.0
57.5°	181.8	181.8	182.7	182.7	183.6	183.6	184.5	185.4	186.3	188.1	190.8
60°	165.6	166.5	165.6	166.5	167.4	167.4	168.3	169.2	170.1	171.9	174.6
62.5°	150.3	150.3	150.3	150.3	151.2	151.2	152.1	153.0	154.8	155.7	157.5
65°	134.1	134.1	134.1	134.1	135.9	135.9	135.9	137.7	138.6	138.6	141.3
67.5°	117.9	118.8	117.9	118.8	119.7	119.7	119.7	121.5	122.4	123.3	124.2
70°	101.7	102.6	102.6	102.6	103.5	103.5	103.5	105.3	106.2	107.1	108.0
72.5°	86.4	86.4	87.3	87.3	87.3	87.3	88.2	89.1	90.0	90.9	91.8
75°	71.1	71.1	71.1	71.1	72.0	72.0	72.0	73.8	74.7	75.6	75.6
77.5°	54.9	55.8	54.9	54.9	55.8	55.8	56.7	57.6	58.5	60.3	61.2
80°	39.6	39.6	40.5	40.5	41.4	40.5	41.4	42.3	43.2	45.0	45.0
82.5°	25.2	25.2	25.2	26.1	26.1	27.0	27.0	27.0	27.9	29.7	30.6
85°	10.8	10.8	10.8	10.8	12.6	12.6	12.6	13.5	14.4	15.3	16.2
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
92.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
95°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	9.0	9.0	9.9
97.5°	12.6	12.6	12.6	12.6	12.6	13.5	13.5	14.4	15.3	16.2	18.0
100°	18.9	18.9	19.8	19.8	19.8	20.7	20.7	22.5	24.3	27.0	31.5
102.5°	27.9	27.0	27.9	27.9	28.8	29.7	30.6	33.3	36.9	43.2	53.1
105°	38.7	37.8	38.7	39.6	41.4	43.2	45.0	50.4	58.5	72.9	98.1
107.5°	54.9	54.0	55.8	58.5	62.1	66.6	71.1	81.0	106.2	146.7	207.0
110°	81.0	84.6	88.2	96.3	108.0	120.6	128.7	171.9	225.0	312.3	412.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	155.7	167.4	178.2	205.2	243.0	278.1	298.8	395.1	476.1	561.6	614.7
115°	376.2	404.1	413.1	481.5	539.1	586.8	607.5	686.7	721.8	738.9	740.7
117.5°	733.5	759.6	759.6	800.1	832.5	847.8	849.6	857.7	851.4	840.6	819.0
120°	963.0	964.8	968.4	967.5	968.4	966.6	960.3	948.6	927.0	904.5	878.4
122.5°	1054.8	1053.0	1050.3	1042.2	1033.2	1027.8	1017.9	1000.8	979.2	953.1	926.1
125°	1103.4	1100.7	1097.1	1089.0	1077.3	1072.8	1061.1	1042.2	1020.6	995.4	969.3
127.5°	1139.4	1136.7	1132.2	1125.0	1113.3	1107.9	1097.1	1077.3	1056.6	1034.1	1008.0
130°	1169.1	1166.4	1161.9	1157.4	1146.6	1139.4	1129.5	1109.7	1090.8	1067.4	1042.2
132.5°	1196.1	1192.5	1188.0	1184.4	1173.6	1168.2	1157.4	1139.4	1120.5	1098.0	1071.9
135°	1219.5	1215.0	1209.6	1206.0	1196.1	1189.8	1179.9	1163.7	1145.7	1124.1	1098.9
137.5°	1237.5	1233.0	1228.5	1223.1	1215.0	1206.0	1200.6	1186.2	1168.2	1148.4	1125.9
140°	1252.8	1249.2	1244.7	1241.1	1232.1	1223.1	1217.7	1205.1	1188.0	1170.9	1150.2
142.5°	1265.4	1262.7	1258.2	1253.7	1245.6	1237.5	1233.0	1221.3	1207.8	1189.8	1170.9
145°	1275.3	1272.6	1269.0	1265.4	1257.3	1251.0	1245.6	1237.5	1224.0	1206.0	1189.8
147.5°	1284.3	1281.6	1278.9	1275.3	1267.2	1262.7	1258.2	1249.2	1235.7	1219.5	1206.0
150°	1290.6	1287.9	1285.2	1282.5	1274.4	1269.9	1267.2	1258.2	1246.5	1230.3	1219.5
152.5°	1294.2	1291.5	1288.8	1287.0	1278.9	1274.4	1271.7	1263.6	1251.9	1237.5	1226.7
155°	1295.1	1293.3	1290.6	1287.9	1279.8	1274.4	1273.5	1265.4	1255.5	1242.0	1232.1
157.5°	1293.3	1290.6	1287.9	1285.2	1277.1	1273.5	1271.7	1265.4	1256.4	1245.6	1235.7
160°	1288.8	1286.1	1285.2	1281.6	1275.3	1272.6	1270.8	1265.4	1257.3	1247.4	1236.6
162.5°	1280.7	1279.8	1278.9	1276.2	1271.7	1269.0	1268.1	1262.7	1254.6	1246.5	1234.8
165°	1272.6	1270.8	1269.0	1266.3	1262.7	1260.9	1259.1	1255.5	1247.4	1242.0	1230.3
167.5°	1260.0	1257.3	1255.5	1252.8	1248.3	1249.2	1247.4	1245.6	1239.3	1236.6	1224.9
170°	1244.7	1243.8	1241.1	1239.3	1236.6	1237.5	1236.6	1234.8	1229.4	1227.6	1217.7
172.5°	1230.3	1227.6	1226.7	1224.9	1222.2	1221.3	1222.2	1220.4	1217.7	1218.6	1208.7
175°	1210.5	1207.8	1207.8	1206.0	1204.2	1205.1	1206.0	1206.9	1203.3	1206.9	1197.9
177.5°	1186.2	1184.4	1186.2	1188.0	1187.1	1188.9	1189.8	1190.7	1188.9	1192.5	1184.4
180°	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9
2.5°	448.2	448.2	448.2	448.2	448.2	448.2	448.2	450.0	452.7	453.6	452.7
5°	446.4	447.3	446.4	447.3	447.3	447.3	447.3	449.1	450.9	451.8	450.9
7.5°	443.7	444.6	443.7	443.7	444.6	443.7	444.6	445.5	447.3	448.2	447.3
10°	439.2	439.2	439.2	440.1	440.1	440.1	440.1	441.9	443.7	443.7	442.8
12.5°	432.9	433.8	433.8	434.7	434.7	433.8	434.7	436.5	437.4	438.3	437.4
15°	426.6	426.6	426.6	427.5	427.5	427.5	427.5	429.3	431.1	432.0	431.1
17.5°	416.7	417.6	417.6	418.5	418.5	419.4	418.5	421.2	422.1	423.0	422.1
20°	407.7	407.7	408.6	408.6	409.5	409.5	409.5	411.3	413.1	414.0	413.1
22.5°	396.9	397.8	397.8	398.7	399.6	398.7	399.6	401.4	402.3	403.2	403.2
25°	385.2	386.1	386.1	387.9	387.9	387.9	387.9	389.7	391.5	393.3	392.4
27.5°	373.5	373.5	374.4	376.2	376.2	377.1	377.1	378.9	380.7	381.6	380.7
30°	360.9	360.9	361.8	362.7	363.6	363.6	364.5	366.3	368.1	369.9	368.1
32.5°	348.3	347.4	349.2	350.1	351.0	351.0	351.0	353.7	354.6	356.4	355.5
35°	333.9	333.0	334.8	335.7	336.6	336.6	338.4	339.3	341.1	342.0	341.1
37.5°	320.4	319.5	321.3	322.2	322.2	323.1	324.0	325.8	327.6	328.5	328.5
40°	306.0	305.1	306.0	307.8	307.8	308.7	309.6	310.5	311.4	314.1	313.2
42.5°	291.6	290.7	291.6	292.5	293.4	293.4	295.2	295.2	297.9	297.9	297.9
45°	274.5	275.4	276.3	278.1	278.1	277.2	279.0	279.9	282.6	282.6	281.7
47.5°	259.2	260.1	260.1	262.8	262.8	261.9	263.7	264.6	266.4	267.3	266.4
50°	243.0	243.9	244.8	246.6	246.6	246.6	247.5	249.3	250.2	250.2	250.2
52.5°	224.1	225.0	226.8	229.5	229.5	229.5	231.3	231.3	233.1	233.1	234.0
55°	207.9	208.8	210.6	212.4	212.4	213.3	214.2	215.1	216.0	215.1	216.0
57.5°	191.7	193.5	195.3	196.2	196.2	197.1	198.0	198.9	199.8	199.8	199.8
60°	175.5	176.4	177.3	180.0	180.0	180.9	181.8	182.7	182.7	183.6	183.6
62.5°	159.3	161.1	162.0	162.9	164.7	163.8	165.6	165.6	166.5	167.4	167.4
65°	142.2	143.1	144.9	146.7	146.7	147.6	149.4	149.4	150.3	151.2	151.2
67.5°	126.0	128.7	128.7	130.5	131.4	131.4	132.3	134.1	134.1	135.0	135.0
70°	108.9	111.6	112.5	113.4	114.3	115.2	116.1	117.0	117.9	118.8	118.8
72.5°	93.6	95.4	96.3	97.2	98.1	98.1	99.9	99.9	101.7	102.6	102.6
75°	76.5	78.3	79.2	81.0	81.9	82.8	83.7	83.7	85.5	87.3	86.4
77.5°	62.1	63.0	63.9	64.8	65.7	66.6	67.5	68.4	69.3	70.2	70.2
80°	46.8	47.7	47.7	49.5	50.4	51.3	52.2	53.1	53.1	54.0	54.9
82.5°	31.5	32.4	33.3	34.2	35.1	36.0	36.9	37.8	37.8	38.7	38.7
85°	17.1	18.0	18.9	19.8	20.7	21.6	22.5	23.4	23.4	24.3	24.3
87.5°	3.6	4.5	5.4	6.3	7.2	8.1	9.0	9.9	9.9	10.8	10.8
90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9
92.5°	4.5	5.4	5.4	7.2	8.1	9.0	10.8	12.6	10.8	9.0	9.9
95°	10.8	13.5	16.2	21.6	25.2	28.8	34.2	34.2	27.9	24.3	22.5
97.5°	21.6	27.0	36.0	48.6	56.7	62.1	68.4	64.8	54.0	45.0	40.5
100°	38.7	52.2	69.3	97.2	108.9	115.2	117.0	107.1	89.1	74.7	64.8
102.5°	69.3	100.8	139.5	174.6	185.4	187.2	175.5	157.5	133.2	111.6	96.3
105°	137.7	198.9	247.5	277.2	280.8	274.5	247.5	218.7	186.3	157.5	134.1
107.5°	290.7	353.7	378.9	380.7	372.6	357.3	323.1	289.8	244.8	209.7	179.1
110°	481.5	503.1	492.3	470.7	454.5	430.2	390.6	353.7	306.0	269.1	232.2



TEST NUMBER: P303237

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	622.8	612.0	583.2	544.5	522.0	500.4	459.0	418.5	367.2	328.5	288.9
115°	719.1	690.3	653.4	610.2	585.0	565.2	523.8	475.2	426.6	387.0	345.6
117.5°	788.4	749.7	711.9	671.4	648.0	625.5	583.2	535.5	484.2	445.5	403.2
120°	841.5	804.6	765.0	726.3	702.0	683.1	640.8	590.4	541.8	499.5	461.7
122.5°	890.1	852.3	815.4	778.5	756.9	735.3	689.4	640.8	594.0	555.3	515.7
125°	934.2	896.4	861.3	826.2	802.8	780.3	735.3	690.3	645.3	604.8	569.7
127.5°	974.7	939.6	903.6	870.3	846.0	823.5	780.3	736.2	695.7	656.1	621.0
130°	1010.7	979.2	944.1	910.8	885.6	864.0	822.6	781.2	742.5	704.7	668.7
132.5°	1044.0	1014.3	981.0	945.0	920.7	901.8	863.1	823.5	788.4	753.3	716.4
135°	1075.5	1044.0	1011.6	976.5	954.0	936.9	898.2	861.3	828.9	796.5	762.3
137.5°	1105.2	1069.2	1038.6	1004.4	984.6	968.4	933.3	899.1	868.5	835.2	804.6
140°	1127.7	1093.5	1062.0	1029.6	1013.4	999.0	964.8	933.3	905.4	874.8	845.1
142.5°	1147.5	1113.3	1085.4	1053.9	1038.6	1026.0	994.5	965.7	940.5	912.6	882.9
145°	1162.8	1131.3	1106.1	1077.3	1063.8	1051.2	1020.6	995.4	972.0	944.1	918.0
147.5°	1177.2	1148.4	1125.0	1098.0	1087.2	1074.6	1046.7	1024.2	1002.6	978.3	952.2
150°	1188.9	1163.7	1141.2	1116.9	1107.0	1095.3	1070.1	1049.4	1029.6	1008.9	984.6
152.5°	1197.9	1176.3	1156.5	1134.0	1125.0	1114.2	1092.6	1074.6	1056.6	1036.8	1014.3
155°	1204.2	1187.1	1169.1	1150.2	1140.3	1132.2	1111.5	1096.2	1080.9	1062.0	1041.3
157.5°	1210.5	1195.2	1177.2	1161.0	1153.8	1144.8	1127.7	1115.1	1101.6	1085.4	1066.5
160°	1213.2	1200.6	1184.4	1170.9	1164.6	1157.4	1141.2	1131.3	1119.6	1106.1	1089.0
162.5°	1214.1	1203.3	1189.8	1179.0	1173.6	1167.3	1152.9	1144.8	1135.8	1124.1	1107.9
165°	1214.1	1205.1	1194.3	1185.3	1180.8	1175.4	1162.8	1156.5	1148.4	1139.4	1125.0
167.5°	1211.4	1204.2	1195.2	1188.0	1184.4	1179.0	1170.0	1166.4	1160.1	1152.9	1141.2
170°	1206.9	1201.5	1194.3	1189.8	1186.2	1181.7	1175.4	1172.7	1170.0	1164.6	1152.9
172.5°	1200.6	1196.1	1190.7	1188.0	1186.2	1182.6	1176.3	1177.2	1175.4	1170.9	1162.8
175°	1191.6	1188.9	1186.2	1184.4	1182.6	1179.9	1176.3	1178.1	1179.0	1177.2	1170.0
177.5°	1179.9	1179.0	1178.1	1178.1	1175.4	1175.4	1173.6	1177.2	1180.8	1180.8	1175.4
180°	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2



TEST NUMBER: P303237

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9
2.5°	450.9	449.1	448.2	448.2	448.2	447.3	447.3	448.2	450.0	452.7	450.0
5°	450.0	447.3	447.3	447.3	447.3	446.4	445.5	446.4	448.2	450.9	448.2
7.5°	446.4	444.6	443.7	443.7	443.7	442.8	442.8	442.8	444.6	447.3	444.6
10°	441.9	440.1	440.1	440.1	439.2	438.3	438.3	438.3	441.0	442.8	440.1
12.5°	436.5	434.7	434.7	433.8	433.8	432.9	432.0	432.9	435.6	436.5	434.7
15°	429.3	427.5	427.5	427.5	426.6	426.6	425.7	425.7	428.4	429.3	427.5
17.5°	421.2	419.4	418.5	419.4	418.5	417.6	417.6	417.6	419.4	420.3	417.6
20°	411.3	409.5	409.5	408.6	408.6	407.7	407.7	407.7	410.4	409.5	407.7
22.5°	401.4	399.6	399.6	398.7	398.7	397.8	396.9	396.9	400.5	397.8	396.9
25°	390.6	388.8	388.8	387.9	387.0	386.1	386.1	386.1	387.9	386.1	385.2
27.5°	379.8	378.0	378.0	377.1	376.2	374.4	374.4	374.4	377.1	374.4	374.4
30°	366.3	365.4	365.4	364.5	362.7	361.8	361.8	362.7	364.5	361.8	360.9
32.5°	353.7	351.9	351.9	351.9	350.1	349.2	349.2	350.1	351.0	348.3	347.4
35°	339.3	338.4	338.4	337.5	335.7	335.7	334.8	335.7	335.7	333.9	333.0
37.5°	325.8	324.9	324.0	324.0	322.2	322.2	322.2	323.1	322.2	320.4	319.5
40°	311.4	310.5	309.6	308.7	307.8	307.8	307.8	309.6	307.8	306.0	305.1
42.5°	297.0	296.1	295.2	294.3	293.4	293.4	293.4	294.3	292.5	291.6	290.7
45°	280.8	280.8	279.9	279.0	279.0	279.0	278.1	279.0	277.2	276.3	274.5
47.5°	265.5	265.5	264.6	264.6	263.7	263.7	263.7	263.7	261.9	261.9	260.1
50°	250.2	249.3	248.4	249.3	249.3	248.4	248.4	247.5	246.6	246.6	243.9
52.5°	233.1	234.0	231.3	232.2	233.1	231.3	231.3	230.4	230.4	228.6	226.8
55°	216.0	216.0	216.0	216.0	216.9	215.1	214.2	213.3	214.2	212.4	210.6
57.5°	199.8	199.8	199.8	199.8	200.7	198.9	198.0	198.9	198.0	196.2	195.3
60°	184.5	183.6	183.6	183.6	184.5	182.7	182.7	181.8	181.8	179.1	179.1
62.5°	168.3	167.4	168.3	167.4	168.3	167.4	165.6	166.5	165.6	163.8	162.9
65°	152.1	151.2	152.1	151.2	151.2	150.3	149.4	149.4	148.5	147.6	146.7
67.5°	135.9	135.0	135.0	135.0	135.9	134.1	135.0	133.2	132.3	132.3	130.5
70°	118.8	118.8	118.8	117.9	118.8	117.0	117.0	117.0	116.1	115.2	114.3
72.5°	103.5	102.6	102.6	101.7	102.6	101.7	100.8	100.8	99.9	99.9	99.0
75°	86.4	86.4	86.4	86.4	86.4	85.5	84.6	84.6	83.7	83.7	82.8
77.5°	70.2	70.2	70.2	70.2	70.2	70.2	68.4	68.4	68.4	68.4	66.6
80°	54.9	54.9	54.9	54.0	54.9	54.0	53.1	53.1	53.1	52.2	51.3
82.5°	39.6	39.6	39.6	38.7	39.6	38.7	38.7	37.8	36.9	36.9	35.1
85°	24.3	25.2	25.2	24.3	24.3	24.3	24.3	22.5	21.6	21.6	20.7
87.5°	10.8	10.8	10.8	9.9	9.9	9.9	9.0	9.0	8.1	8.1	8.1
90°	1.8	2.7	3.6	4.5	4.5	5.4	6.3	6.3	6.3	6.3	7.2
92.5°	14.4	18.9	19.8	21.6	20.7	21.6	21.6	20.7	21.6	19.8	20.7
95°	25.2	28.8	35.1	38.7	41.4	45.9	47.7	46.8	45.0	44.1	45.0
97.5°	39.6	43.2	45.9	46.8	48.6	54.9	61.2	65.7	69.3	71.1	72.9
100°	61.2	58.5	62.1	64.8	66.6	65.7	68.4	73.8	78.3	81.9	85.5
102.5°	88.2	81.0	78.3	80.1	82.8	88.2	88.2	87.3	89.1	91.8	97.2
105°	119.7	109.8	102.6	101.7	101.7	105.3	111.6	114.3	108.9	108.9	110.7
107.5°	158.4	142.2	131.4	127.8	126.9	125.1	129.6	136.8	141.3	140.4	135.0
110°	202.5	180.9	165.6	159.3	155.7	150.3	151.2	153.9	159.3	166.5	171.0



TEST NUMBER: P303237

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	254.7	227.7	204.3	196.2	187.2	180.0	174.6	175.5	178.2	183.6	189.9
115°	309.6	279.0	249.3	238.5	227.7	211.5	202.5	199.8	200.7	202.5	206.1
117.5°	365.4	332.1	298.8	285.3	272.7	253.8	236.7	227.7	224.1	223.2	226.8
120°	422.1	385.2	352.8	337.5	322.2	300.6	278.1	261.0	253.8	248.4	248.4
122.5°	477.9	441.9	405.9	390.6	373.5	348.3	324.0	302.4	288.0	277.2	272.7
125°	531.0	497.7	459.9	445.5	427.5	399.6	372.6	350.1	331.2	314.1	303.3
127.5°	583.2	550.8	513.0	498.6	482.4	452.7	427.5	400.5	380.7	359.1	342.9
130°	634.5	602.1	566.1	551.7	536.4	507.6	477.9	451.8	432.0	410.4	392.4
132.5°	683.1	650.7	618.3	602.1	586.8	559.8	531.0	504.9	483.3	462.6	445.5
135°	730.8	696.6	666.0	650.7	635.4	610.2	583.2	558.9	535.5	513.9	496.8
137.5°	774.0	742.5	712.8	697.5	683.1	658.8	635.4	612.9	589.5	567.0	548.1
140°	815.4	784.8	756.9	743.4	729.0	704.7	684.0	664.2	642.6	616.5	600.3
142.5°	855.0	824.4	800.1	786.6	771.3	750.6	729.9	711.9	693.9	671.4	652.5
145°	891.9	861.3	838.8	827.1	812.7	792.9	773.1	756.9	742.5	720.0	702.9
147.5°	927.0	899.1	877.5	864.9	853.2	834.3	815.4	800.1	790.2	767.7	751.5
150°	961.2	932.4	913.5	901.8	890.1	873.0	855.9	841.5	832.5	813.6	798.3
152.5°	991.8	965.7	948.6	937.8	927.0	909.9	893.7	880.2	873.9	854.1	845.1
155°	1021.5	996.3	981.0	972.0	961.2	942.3	929.7	916.2	913.5	896.4	883.8
157.5°	1047.6	1025.1	1009.8	1000.8	991.8	975.6	963.0	952.2	949.5	934.2	922.5
160°	1070.1	1050.3	1036.8	1029.6	1021.5	1005.3	993.6	984.6	981.0	970.2	959.4
162.5°	1092.6	1073.7	1062.0	1054.8	1048.5	1033.2	1023.3	1014.3	1011.6	1004.4	993.6
165°	1111.5	1094.4	1083.6	1078.2	1072.8	1059.3	1050.3	1042.2	1041.3	1035.9	1024.2
167.5°	1128.6	1113.3	1104.3	1099.8	1094.4	1082.7	1075.5	1068.3	1067.4	1066.5	1053.9
170°	1142.1	1129.5	1121.4	1117.8	1114.2	1103.4	1097.1	1091.7	1091.7	1092.6	1081.8
172.5°	1153.8	1143.0	1137.6	1133.1	1131.3	1121.4	1116.9	1112.4	1114.2	1116.0	1106.1
175°	1162.8	1153.8	1148.4	1146.6	1144.8	1136.7	1134.0	1132.2	1134.9	1138.5	1128.6
177.5°	1170.9	1162.8	1160.1	1158.3	1157.4	1151.1	1150.2	1148.4	1152.0	1157.4	1149.3
180°	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2



TEST NUMBER: P303237

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	450.9	450.9	450.9	450.9	450.9	450.9	450.9	450.9
2.5°	450.9	450.9	450.9	450.0	449.1	448.2	446.4	446.4
5°	449.1	449.1	448.2	448.2	447.3	447.3	446.4	447.3
7.5°	445.5	445.5	444.6	444.6	444.6	444.6	443.7	444.6
10°	441.0	441.0	439.2	439.2	439.2	439.2	439.2	439.2
12.5°	434.7	433.8	433.8	432.9	432.9	433.8	433.8	433.8
15°	427.5	427.5	426.6	425.7	426.6	426.6	426.6	426.6
17.5°	418.5	417.6	417.6	416.7	417.6	417.6	416.7	417.6
20°	407.7	406.8	406.8	405.9	406.8	405.9	405.9	405.9
22.5°	396.0	395.1	395.1	394.2	395.1	395.1	395.1	395.1
25°	384.3	383.4	382.5	382.5	382.5	382.5	382.5	382.5
27.5°	372.6	371.7	370.8	370.8	370.8	369.9	369.9	369.0
30°	359.1	359.1	357.3	357.3	357.3	356.4	356.4	355.5
32.5°	346.5	345.6	344.7	343.8	343.8	342.9	342.0	342.0
35°	332.1	331.2	330.3	329.4	329.4	328.5	327.6	328.5
37.5°	318.6	317.7	315.9	315.9	315.9	314.1	314.1	313.2
40°	303.3	301.5	301.5	301.5	300.6	299.7	299.7	298.8
42.5°	288.0	287.1	286.2	286.2	286.2	284.4	284.4	284.4
45°	273.6	272.7	272.7	270.9	270.9	269.1	269.1	270.0
47.5°	257.4	257.4	257.4	256.5	255.6	254.7	254.7	254.7
50°	242.1	242.1	240.3	240.3	240.3	239.4	238.5	238.5
52.5°	225.0	224.1	224.1	223.2	222.3	222.3	222.3	222.3
55°	208.8	208.8	208.8	207.9	207.0	207.0	206.1	207.0
57.5°	193.5	193.5	193.5	192.6	191.7	191.7	190.8	191.7
60°	178.2	177.3	177.3	176.4	175.5	176.4	175.5	175.5
62.5°	162.0	161.1	162.0	161.1	160.2	159.3	159.3	160.2
65°	146.7	145.8	145.8	144.9	144.0	144.0	144.0	144.0
67.5°	130.5	129.6	129.6	128.7	128.7	128.7	128.7	128.7
70°	114.3	113.4	113.4	112.5	112.5	112.5	112.5	112.5
72.5°	99.0	98.1	98.1	97.2	97.2	97.2	97.2	97.2
75°	82.8	81.9	81.9	81.9	81.9	81.0	81.0	81.0
77.5°	67.5	66.6	66.6	66.6	65.7	65.7	65.7	65.7
80°	52.2	51.3	51.3	51.3	50.4	50.4	50.4	49.5
82.5°	36.0	35.1	35.1	36.0	34.2	35.1	34.2	34.2
85°	20.7	19.8	19.8	19.8	19.8	19.8	19.8	18.9
87.5°	8.1	7.2	7.2	8.1	7.2	8.1	8.1	8.1
90°	7.2	7.2	8.1	8.1	9.0	9.0	9.9	9.9
92.5°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
95°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	43.2
97.5°	73.8	72.9	72.9	72.9	72.9	72.0	71.1	71.1
100°	88.2	90.9	91.8	92.7	93.6	94.5	95.4	94.5
102.5°	100.8	102.6	103.5	104.4	105.3	106.2	107.1	107.1
105°	112.5	113.4	114.3	116.1	118.8	121.5	122.4	122.4
107.5°	135.0	135.0	135.9	136.8	135.9	136.8	136.8	136.8
110°	171.0	165.6	164.7	162.9	160.2	161.1	161.1	161.1



TEST NUMBER: P303237

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	194.4	198.0	199.8	199.8	199.8	200.7	198.0	197.1
115°	212.4	216.0	217.8	218.7	221.4	224.1	225.0	225.0
117.5°	230.4	234.9	236.7	237.6	240.3	243.0	243.9	243.9
120°	250.2	252.0	253.8	253.8	256.5	258.3	259.2	259.2
122.5°	270.0	270.0	271.8	271.8	273.6	273.6	275.4	274.5
125°	296.1	292.5	293.4	290.7	291.6	291.6	291.6	290.7
127.5°	331.2	323.1	322.2	318.6	315.9	315.0	313.2	312.3
130°	375.3	362.7	359.1	354.6	350.1	347.4	342.0	342.9
132.5°	426.6	410.4	405.9	400.5	394.2	387.9	384.3	384.3
135°	479.7	463.5	458.1	451.8	444.6	437.4	433.8	433.8
137.5°	531.0	516.6	511.2	505.8	497.7	492.3	485.1	486.9
140°	585.0	568.8	563.4	558.0	552.6	542.7	540.0	542.7
142.5°	637.2	620.1	615.6	610.2	604.8	597.6	592.2	594.9
145°	688.5	671.4	666.9	661.5	657.0	647.1	646.2	646.2
147.5°	738.9	723.6	719.1	713.7	709.2	702.0	698.4	699.3
150°	786.6	773.1	768.6	763.2	758.7	749.7	747.0	749.7
152.5°	832.5	819.9	815.4	810.0	806.4	798.3	796.5	799.2
155°	874.8	862.2	858.6	853.2	850.5	844.2	844.2	845.1
157.5°	914.4	904.5	900.0	896.4	893.7	886.5	886.5	889.2
160°	953.1	944.1	941.4	936.0	933.3	927.9	927.0	926.1
162.5°	990.0	981.9	978.3	974.7	972.0	967.5	965.7	965.7
165°	1019.7	1014.3	1010.7	1008.9	1007.1	1003.5	1001.7	1001.7
167.5°	1052.1	1044.9	1042.2	1038.6	1037.7	1035.0	1034.1	1036.8
170°	1078.2	1074.6	1071.0	1068.3	1066.5	1064.7	1063.8	1066.5
172.5°	1104.3	1100.7	1098.9	1096.2	1095.3	1094.4	1094.4	1097.1
175°	1128.6	1125.9	1123.2	1120.5	1120.5	1118.7	1119.6	1121.4
177.5°	1150.2	1148.4	1147.5	1144.8	1143.0	1141.2	1140.3	1140.3
180°	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2

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