

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: P303101

Luminaire Tested: **CTW-F-2575-50L940-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-2575-50L940-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

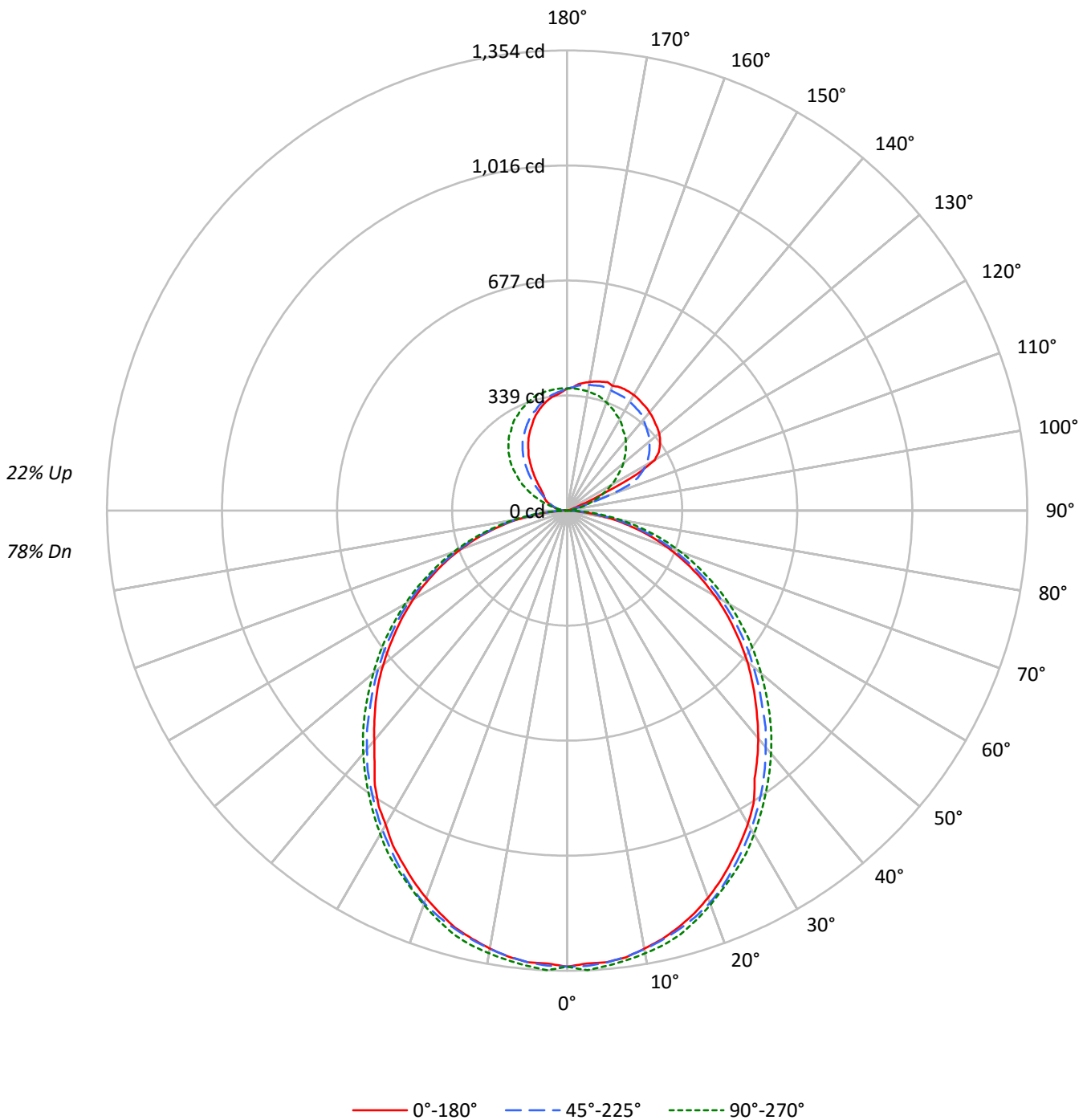
Lumens per Lamp: N/A
Luminaire Lumens: 4584.8 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 44.1
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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CATALOG NUMBER: CTW-F-2575-50L940-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	50	30	10	0	
RCR																						
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78				
1	104	99	95	91	99	95	91	88	87	84	81	79	77	75	72	70	69	65				
2	94	87	80	74	90	83	77	72	76	71	67	69	66	62	63	60	58	54				
3	86	76	68	62	82	73	66	60	67	61	56	61	56	53	56	52	49	46				
4	79	67	59	52	75	65	57	51	59	53	48	54	49	45	50	46	42	39				
5	72	60	52	45	69	58	50	44	53	47	41	49	43	39	45	40	37	34				
6	67	54	45	39	64	52	44	38	48	41	36	44	39	34	41	36	32	30				
7	62	49	41	35	59	47	39	34	44	37	32	40	35	30	37	32	29	26				
8	58	45	36	31	55	43	35	30	40	33	29	37	31	27	34	29	26	24				
9	54	41	33	28	51	39	32	27	37	30	26	34	29	25	32	27	23	21				
10	50	38	30	25	48	36	29	24	34	28	23	32	26	22	29	25	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	28888	28888	28888
5°	28824	29057	28824
10°	28606	28921	28606
15°	28283	28764	28323
20°	27773	28268	27794
25°	27107	27813	27193
30°	26444	27339	26534
35°	25285	26751	25923
40°	24584	26228	24812
45°	23811	25619	24249
50°	23179	24928	23662
55°	22396	24355	23038
60°	21623	23754	22514
65°	20676	23014	21777
70°	19544	22320	21017
75°	17817	21410	19838
80°	15063	19972	17964
85°	8892	16895	13561



TEST NUMBER: P303101

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	2.8
10°-20°	358.5	7.8
20°-30°	530.8	11.6
30°-40°	622.1	13.6
40°-50°	628.3	13.7
50°-60°	559.9	12.2
60°-70°	429.1	9.4
70°-80°	253.6	5.5
80°-90°	67.9	1.5
90°-100°	10.8	0.2
100°-110°	43.9	1.0
110°-120°	121.5	2.6
120°-130°	176.5	3.8
130°-140°	190.8	4.2
140°-150°	182.4	4.0
150°-160°	149.8	3.3
160°-170°	98.3	2.1
170°-180°	34.1	0.7
0°-30°	1015.8	22.2
0°-40°	1637.9	35.7
0°-60°	2826.1	61.6
0°-90°	3576.7	78.0
90°-120°	176.1	3.8
90°-150°	725.8	15.8
90°-180°	1008.0	22.0
0°-180°	4584.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1342	1342	1342	1342	1342	
5°	1334	1335	1345	1334	1334	127
15°	1269	1275	1291	1274	1271	357
25°	1141	1159	1171	1162	1145	526
35°	962	1000	1018	1004	986	606
45°	782	811	842	821	796	604
55°	597	620	649	631	614	534
65°	406	425	452	438	428	402
75°	214	230	257	246	238	227
85°	36	49	68	62	55	48
90°	1	1	1	3	4	1
95°	3	3	8	14	14	3
105°	10	25	49	37	41	12
115°	111	230	115	61	68	133
125°	333	295	182	101	86	296
135°	365	333	244	164	130	283
145°	385	362	287	229	198	242
155°	395	374	325	279	258	182
165°	392	380	351	320	310	111
175°	374	369	359	348	342	36
180°	359	359	359	359	359	



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1333.8	1332.0	1335.6	1338.3	1338.3	1340.1	1341.9	1344.6	1342.8	1347.3	1341.0
5°	1333.8	1331.1	1332.9	1332.9	1332.0	1333.8	1334.7	1338.3	1336.5	1341.0	1334.7
7.5°	1325.7	1323.9	1323.9	1324.8	1322.1	1323.9	1324.8	1327.5	1324.8	1329.3	1323.9
10°	1308.6	1307.7	1308.6	1309.5	1306.8	1308.6	1308.6	1310.4	1310.4	1314.0	1310.4
12.5°	1291.5	1288.8	1290.6	1289.7	1287.0	1288.8	1289.7	1293.3	1293.3	1296.0	1294.2
15°	1269.0	1268.1	1269.9	1269.9	1267.2	1268.1	1269.0	1271.7	1272.6	1275.3	1275.3
17.5°	1242.9	1241.1	1242.9	1242.9	1241.1	1242.0	1243.8	1247.4	1248.3	1251.9	1253.7
20°	1212.3	1209.6	1210.5	1210.5	1210.5	1211.4	1213.2	1217.7	1221.3	1225.8	1228.5
22.5°	1179.0	1176.3	1175.4	1175.4	1176.3	1177.2	1177.2	1185.3	1189.8	1192.5	1196.1
25°	1141.2	1138.5	1138.5	1141.2	1140.3	1142.1	1144.8	1152.0	1155.6	1152.9	1159.2
27.5°	1103.4	1101.6	1099.8	1101.6	1103.4	1105.2	1109.7	1115.1	1115.1	1116.9	1121.4
30°	1063.8	1059.3	1059.3	1062.0	1064.7	1068.3	1071.9	1074.6	1073.7	1076.4	1082.7
32.5°	1021.5	1019.7	1017.9	1020.6	1025.1	1027.8	1029.6	1029.6	1030.5	1035.0	1041.3
35°	962.1	961.2	964.8	972.9	980.1	984.6	983.7	983.7	986.4	991.8	999.9
37.5°	918.9	918.0	918.0	922.5	924.3	927.0	928.8	936.9	943.2	951.3	955.8
40°	874.8	873.9	873.0	878.4	880.2	880.2	882.0	885.6	893.7	908.1	909.0
42.5°	828.0	828.9	828.0	832.5	834.3	836.1	837.0	839.7	845.1	854.1	864.0
45°	782.1	783.0	782.1	786.6	788.4	789.3	791.1	793.8	798.3	806.4	810.9
47.5°	737.1	737.1	735.3	740.7	742.5	744.3	745.2	747.0	754.2	759.6	764.1
50°	692.1	690.3	688.5	693.9	695.7	697.5	699.3	702.0	703.8	712.8	715.5
52.5°	644.4	643.5	642.6	647.1	648.9	649.8	652.5	655.2	658.8	666.9	669.6
55°	596.7	596.7	594.9	599.4	600.3	603.0	604.8	608.4	610.2	618.3	620.1
57.5°	549.9	549.9	547.2	551.7	552.6	555.3	557.1	559.8	562.5	567.9	572.4
60°	502.2	499.5	499.5	503.1	504.9	507.6	509.4	512.1	513.9	519.3	522.9
62.5°	453.6	454.5	454.5	455.4	459.9	459.0	459.0	464.4	466.2	469.8	476.1
65°	405.9	405.0	405.0	407.7	409.5	410.4	410.4	416.7	418.5	421.2	424.8
67.5°	358.2	359.1	359.1	359.1	363.6	362.7	362.7	368.1	369.9	372.6	374.4
70°	310.5	311.4	312.3	311.4	315.9	314.1	316.8	319.5	321.3	324.9	327.6
72.5°	262.8	263.7	264.6	264.6	268.2	266.4	269.1	271.8	276.3	277.2	279.0
75°	214.2	215.1	216.0	216.0	218.7	216.9	219.6	222.3	224.1	227.7	230.4
77.5°	167.4	168.3	170.1	170.1	171.9	170.1	172.8	176.4	178.2	180.0	183.6
80°	121.5	122.4	124.2	124.2	126.9	125.1	126.9	129.6	132.3	135.0	136.8
82.5°	77.4	78.3	79.2	80.1	82.8	82.8	82.8	85.5	89.1	89.1	91.8
85°	36.0	36.9	37.8	37.8	40.5	40.5	40.5	43.2	45.0	46.8	48.6
87.5°	4.5	5.4	5.4	5.4	6.3	6.3	6.3	7.2	8.1	9.0	10.8
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
95°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
97.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5	4.5	4.5	5.4
100°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.3	6.3	7.2	8.1
102.5°	7.2	7.2	7.2	8.1	8.1	8.1	8.1	9.0	9.9	10.8	13.5
105°	9.9	9.9	9.9	10.8	10.8	11.7	11.7	12.6	15.3	18.0	25.2
107.5°	14.4	14.4	14.4	15.3	16.2	17.1	18.0	21.6	27.0	37.8	58.5
110°	21.6	21.6	22.5	24.3	27.9	30.6	33.3	45.9	64.8	94.5	130.5



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	43.2	44.1	47.7	53.1	66.6	72.9	83.7	116.1	149.4	180.9	196.2
115°	110.7	113.4	117.0	135.0	162.0	171.9	186.3	216.9	229.5	233.1	229.5
117.5°	230.4	234.0	234.9	251.1	257.4	260.1	263.7	267.3	262.8	257.4	250.2
120°	297.0	298.8	296.1	294.3	296.1	293.4	291.6	287.1	279.9	275.4	268.2
122.5°	319.5	320.4	316.8	314.1	312.3	311.4	308.7	301.5	293.4	289.8	281.7
125°	333.0	333.0	331.2	326.7	324.9	324.0	321.3	315.9	307.8	301.5	295.2
127.5°	344.7	344.7	341.1	337.5	335.7	334.8	329.4	324.9	320.4	312.3	305.1
130°	353.7	352.8	350.1	346.5	345.6	342.9	341.1	334.8	330.3	324.9	315.9
132.5°	360.0	360.9	357.3	357.3	355.5	350.1	349.2	343.8	338.4	332.1	325.8
135°	365.4	368.1	365.4	364.5	361.8	357.3	354.6	351.0	345.6	339.3	333.0
137.5°	372.6	370.8	371.7	369.9	368.1	364.5	361.8	360.0	353.7	348.3	341.1
140°	377.1	377.1	377.1	375.3	371.7	370.8	370.8	364.5	363.6	357.3	349.2
142.5°	382.5	381.6	380.7	378.0	378.9	376.2	372.6	372.6	367.2	362.7	358.2
145°	385.2	386.1	381.6	384.3	380.7	379.8	376.2	376.2	372.6	365.4	361.8
147.5°	389.7	388.8	386.1	387.0	384.3	383.4	380.7	378.9	373.5	369.9	365.4
150°	392.4	388.8	390.6	390.6	384.3	384.3	383.4	382.5	378.0	374.4	369.0
152.5°	394.2	392.4	391.5	392.4	387.0	387.0	386.1	382.5	380.7	376.2	372.6
155°	395.1	392.4	392.4	392.4	389.7	387.9	386.1	383.4	381.6	377.1	373.5
157.5°	394.2	394.2	391.5	392.4	391.5	388.8	384.3	384.3	384.3	379.8	374.4
160°	390.6	392.4	392.4	392.4	391.5	390.6	385.2	386.1	383.4	381.6	376.2
162.5°	396.0	392.4	392.4	391.5	390.6	389.7	387.9	387.9	385.2	381.6	378.9
165°	392.4	392.4	392.4	387.9	389.7	387.9	386.1	386.1	384.3	379.8	379.8
167.5°	388.8	387.9	387.0	385.2	386.1	383.4	382.5	383.4	380.7	379.8	377.1
170°	384.3	384.3	382.5	382.5	381.6	380.7	381.6	381.6	378.9	379.8	375.3
172.5°	378.9	380.7	379.8	378.9	377.1	377.1	376.2	375.3	374.4	376.2	372.6
175°	373.5	373.5	373.5	373.5	373.5	373.5	372.6	374.4	371.7	371.7	369.0
177.5°	361.8	365.4	363.6	368.1	369.0	368.1	369.0	368.1	365.4	368.1	362.7
180°	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1336.5	1337.4	1337.4	1338.3	1339.2	1338.3	1338.3	1344.6	1350.0	1353.6	1350.0
5°	1329.3	1329.3	1329.3	1330.2	1331.1	1330.2	1330.2	1336.5	1341.9	1344.6	1341.9
7.5°	1318.5	1318.5	1318.5	1319.4	1320.3	1320.3	1320.3	1326.6	1332.0	1334.7	1331.1
10°	1304.1	1305.0	1305.0	1305.9	1307.7	1307.7	1308.6	1314.0	1319.4	1323.0	1319.4
12.5°	1287.0	1288.8	1289.7	1291.5	1292.4	1293.3	1294.2	1300.5	1305.0	1309.5	1305.9
15°	1269.0	1270.8	1272.6	1274.4	1275.3	1276.2	1276.2	1282.5	1287.0	1290.6	1287.0
17.5°	1247.4	1249.2	1248.3	1249.2	1249.2	1249.2	1249.2	1253.7	1259.1	1263.6	1259.1
20°	1217.7	1218.6	1217.7	1217.7	1218.6	1219.5	1218.6	1224.9	1229.4	1233.9	1229.4
22.5°	1185.3	1184.4	1184.4	1186.2	1186.2	1188.9	1188.9	1194.3	1198.8	1202.4	1199.7
25°	1149.3	1150.2	1151.1	1152.0	1153.8	1155.6	1157.4	1162.8	1168.2	1170.9	1168.2
27.5°	1114.2	1114.2	1115.1	1118.7	1119.6	1123.2	1125.0	1130.4	1134.9	1139.4	1135.8
30°	1078.2	1078.2	1081.8	1083.6	1084.5	1086.3	1085.4	1091.7	1095.3	1099.8	1098.9
32.5°	1041.3	1041.3	1041.3	1042.2	1043.1	1045.8	1044.9	1052.1	1057.5	1059.3	1058.4
35°	1000.8	996.3	998.1	1000.8	1001.7	1004.4	1006.2	1009.8	1016.1	1017.9	1017.0
37.5°	957.6	954.9	956.7	959.4	960.3	962.1	963.9	968.4	972.0	976.5	975.6
40°	915.3	912.6	913.5	917.1	918.9	920.7	921.6	925.2	928.8	933.3	932.4
42.5°	870.3	869.4	869.4	873.0	874.8	874.8	877.5	880.2	882.9	889.2	887.4
45°	823.5	823.5	823.5	827.1	828.9	828.9	832.5	834.3	838.8	841.5	840.6
47.5°	769.5	778.5	779.4	782.1	781.2	782.1	786.6	786.6	791.1	792.9	792.9
50°	720.0	727.2	731.7	734.4	735.3	735.3	740.7	740.7	742.5	744.3	747.0
52.5°	672.3	675.0	684.9	687.6	691.2	687.6	693.0	693.0	695.7	697.5	698.4
55°	623.7	626.4	630.9	637.2	639.0	639.9	644.4	645.3	647.1	648.9	648.9
57.5°	576.0	577.8	582.3	590.4	591.3	594.9	596.7	596.7	598.5	599.4	601.2
60°	528.3	530.1	533.7	536.4	541.8	543.6	548.1	549.0	550.8	551.7	551.7
62.5°	479.7	481.5	485.1	489.6	492.3	495.9	496.8	497.7	499.5	502.2	502.2
65°	431.1	432.9	436.5	441.0	441.0	441.9	448.2	449.1	450.9	451.8	454.5
67.5°	380.7	383.4	387.9	391.5	391.5	395.1	399.6	400.5	402.3	404.1	405.0
70°	331.2	333.9	338.4	342.9	344.7	345.6	348.3	351.0	353.7	354.6	355.5
72.5°	282.6	285.3	288.9	294.3	295.2	297.0	298.8	301.5	305.1	306.9	306.9
75°	233.1	235.8	240.3	245.7	247.5	246.6	250.2	252.0	255.6	257.4	257.4
77.5°	185.4	187.2	191.7	195.3	197.1	198.9	198.9	200.7	204.3	207.0	206.1
80°	139.5	141.3	144.9	148.5	149.4	152.1	152.1	153.9	156.6	161.1	158.4
82.5°	97.2	96.3	99.9	103.5	104.4	107.1	108.9	108.9	110.7	114.3	112.5
85°	53.1	54.0	56.7	60.3	62.1	63.0	65.7	65.7	67.5	68.4	71.1
87.5°	14.4	14.4	18.0	20.7	22.5	23.4	26.1	26.1	27.9	30.6	28.8
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°	1.8	1.8	1.8	1.8	2.7	2.7	3.6	4.5	4.5	3.6	4.5
95°	3.6	3.6	4.5	5.4	6.3	7.2	9.9	11.7	9.9	8.1	8.1
97.5°	5.4	6.3	9.0	12.6	14.4	18.0	22.5	20.7	18.0	15.3	14.4
100°	9.9	12.6	17.1	27.0	31.5	36.0	38.7	34.2	28.8	23.4	21.6
102.5°	17.1	25.2	40.5	54.9	58.5	60.3	57.6	51.3	43.2	35.1	30.6
105°	36.9	56.7	80.1	88.2	87.3	86.4	78.3	68.4	58.5	48.6	41.4
107.5°	89.1	112.5	121.5	119.7	115.2	110.7	99.9	88.2	75.6	63.0	54.9
110°	153.9	156.6	153.9	144.9	137.7	132.3	120.6	108.9	93.6	80.1	70.2



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	196.2	187.2	177.3	166.5	159.3	153.0	139.5	126.0	111.6	98.1	87.3
115°	220.5	211.5	198.9	184.5	178.2	172.8	158.4	143.1	128.7	115.2	104.4
117.5°	240.3	228.6	216.9	204.3	198.0	190.8	177.3	162.9	146.7	132.3	122.4
120°	258.3	244.8	233.1	219.6	216.0	208.8	195.3	179.1	162.9	150.3	138.6
122.5°	271.8	260.1	247.5	236.7	230.4	225.0	209.7	195.3	180.0	166.5	155.7
125°	284.4	272.7	261.0	249.3	244.8	238.5	223.2	210.6	196.2	181.8	171.9
127.5°	297.0	283.5	274.5	266.4	258.3	250.2	236.7	225.0	211.5	199.8	188.1
130°	307.8	297.0	286.2	275.4	269.1	263.7	251.1	238.5	227.7	216.0	205.2
132.5°	315.0	306.9	296.1	288.0	279.0	274.5	261.9	251.1	239.4	229.5	218.7
135°	324.0	316.8	305.1	296.1	292.5	286.2	272.7	262.8	252.9	243.9	232.2
137.5°	333.0	324.9	315.9	306.0	300.6	296.1	283.5	276.3	265.5	255.6	246.6
140°	342.0	331.2	324.9	314.1	308.7	306.0	295.2	284.4	277.2	268.2	259.2
142.5°	347.4	338.4	330.3	322.2	318.6	314.1	304.2	292.5	287.1	279.9	270.0
145°	352.8	345.6	335.7	327.6	324.9	321.3	312.3	305.1	297.9	287.1	280.8
147.5°	358.2	350.1	343.8	335.7	330.3	329.4	320.4	313.2	305.1	299.7	290.7
150°	360.9	352.8	348.3	340.2	335.7	335.7	328.5	319.5	315.9	309.6	300.6
152.5°	364.5	359.1	353.7	348.3	342.9	342.0	335.7	329.4	322.2	315.9	310.5
155°	368.1	363.6	359.1	351.9	348.3	347.4	341.1	335.7	330.3	324.9	318.6
157.5°	369.9	362.7	360.0	355.5	352.8	350.1	343.8	339.3	337.5	331.2	324.0
160°	370.8	365.4	361.8	357.3	358.2	353.7	349.2	347.4	342.9	338.4	333.0
162.5°	371.7	369.9	364.5	360.9	360.0	356.4	353.7	351.0	348.3	344.7	340.2
165°	373.5	371.7	368.1	360.9	361.8	359.1	358.2	352.8	353.7	351.0	342.9
167.5°	372.6	369.9	366.3	366.3	361.8	361.8	359.1	358.2	355.5	352.8	347.4
170°	371.7	369.9	365.4	364.5	365.4	362.7	360.0	360.0	358.2	356.4	354.6
172.5°	369.0	367.2	364.5	367.2	364.5	362.7	360.9	357.3	360.9	357.3	353.7
175°	365.4	365.4	362.7	361.8	362.7	360.9	361.8	360.9	359.1	359.1	358.2
177.5°	362.7	363.6	360.0	360.9	361.8	360.0	361.8	361.8	362.7	360.0	361.8
180°	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1346.4	1341.0	1339.2	1339.2	1338.3	1334.7	1333.8	1333.8	1340.1	1348.2	1339.2
5°	1337.4	1332.0	1330.2	1331.1	1330.2	1326.6	1326.6	1326.6	1333.8	1341.9	1332.9
7.5°	1327.5	1322.1	1320.3	1320.3	1319.4	1315.8	1315.8	1315.8	1323.0	1329.3	1322.1
10°	1314.9	1309.5	1307.7	1307.7	1305.9	1302.3	1301.4	1302.3	1309.5	1314.0	1306.8
12.5°	1301.4	1295.1	1293.3	1292.4	1290.6	1287.0	1285.2	1285.2	1293.3	1296.9	1288.8
15°	1283.4	1278.0	1275.3	1276.2	1274.4	1269.9	1269.0	1267.2	1274.4	1275.3	1269.9
17.5°	1256.4	1251.0	1250.1	1251.0	1249.2	1245.6	1246.5	1245.6	1253.7	1251.0	1245.6
20°	1225.8	1220.4	1219.5	1220.4	1217.7	1216.8	1218.6	1219.5	1229.4	1224.9	1218.6
22.5°	1195.2	1188.9	1188.9	1188.0	1185.3	1183.5	1184.4	1186.2	1198.8	1194.3	1189.8
25°	1162.8	1157.4	1156.5	1155.6	1152.9	1150.2	1149.3	1149.3	1161.9	1156.5	1157.4
27.5°	1133.1	1125.0	1122.3	1121.4	1118.7	1115.1	1114.2	1114.2	1124.1	1117.8	1121.4
30°	1094.4	1088.1	1087.2	1087.2	1084.5	1080.9	1078.2	1079.1	1086.3	1076.4	1078.2
32.5°	1054.8	1047.6	1048.5	1046.7	1044.0	1044.0	1042.2	1042.2	1045.8	1035.0	1036.8
35°	1013.4	1008.0	1007.1	1005.3	1001.7	999.9	1000.8	1004.4	1004.4	993.6	993.6
37.5°	971.1	964.8	965.7	963.0	960.3	958.5	958.5	963.0	963.9	953.1	951.3
40°	928.8	923.4	921.6	921.6	918.9	917.1	916.2	921.6	916.2	913.5	906.3
42.5°	883.8	878.4	876.6	876.6	875.7	874.8	873.9	877.5	871.2	864.0	855.9
45°	837.9	836.1	833.4	830.7	829.8	829.8	830.7	830.7	820.8	812.7	810.9
47.5°	790.2	790.2	786.6	785.7	785.7	784.8	784.8	780.3	773.1	767.7	765.0
50°	744.3	742.5	738.9	739.8	739.8	738.0	736.2	728.1	725.4	720.9	718.2
52.5°	697.5	698.4	692.1	693.9	693.0	689.4	684.9	681.3	678.6	674.1	671.4
55°	648.0	646.2	644.4	648.0	646.2	639.0	635.4	633.6	630.9	626.4	624.6
57.5°	601.2	602.1	597.6	598.5	595.8	589.5	589.5	586.8	585.0	578.7	576.9
60°	551.7	548.1	549.9	551.7	543.6	540.9	541.8	539.1	537.3	531.0	529.2
62.5°	502.2	502.2	502.2	497.7	495.9	493.2	494.1	491.4	487.8	483.3	482.4
65°	454.5	452.7	449.1	449.1	447.3	445.5	446.4	444.6	438.3	435.6	434.7
67.5°	405.9	402.3	400.5	401.4	398.7	396.9	397.8	396.0	390.6	387.0	387.0
70°	358.2	351.0	351.9	351.9	350.1	347.4	348.3	344.7	342.0	342.0	339.3
72.5°	307.8	305.1	303.3	302.4	301.5	298.8	298.8	296.1	295.2	294.3	292.5
75°	258.3	254.7	254.7	254.7	252.9	251.1	251.1	247.5	245.7	247.5	244.8
77.5°	207.0	205.2	205.2	205.2	202.5	201.6	202.5	198.9	199.8	198.0	196.2
80°	160.2	158.4	158.4	157.5	158.4	154.8	155.7	153.0	153.0	152.1	150.3
82.5°	115.2	113.4	112.5	111.6	110.7	109.8	110.7	109.8	108.0	106.2	104.4
85°	72.0	69.3	69.3	69.3	69.3	66.6	66.6	64.8	62.1	61.2	59.4
87.5°	31.5	29.7	27.9	27.0	27.9	25.2	26.1	25.2	23.4	22.5	20.7
90°	0.9	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6
92.5°	5.4	7.2	7.2	7.2	7.2	8.1	8.1	8.1	7.2	7.2	8.1
95°	9.9	11.7	13.5	14.4	14.4	15.3	15.3	14.4	14.4	14.4	14.4
97.5°	14.4	16.2	17.1	18.0	18.9	20.7	21.6	22.5	22.5	22.5	22.5
100°	20.7	20.7	22.5	24.3	24.3	24.3	26.1	27.0	28.8	29.7	29.7
102.5°	27.9	27.0	27.0	27.9	29.7	31.5	30.6	30.6	32.4	33.3	35.1
105°	37.8	35.1	34.2	33.3	34.2	36.0	37.8	37.8	36.9	36.9	37.8
107.5°	49.5	45.0	42.3	41.4	40.5	41.4	42.3	44.1	45.0	45.0	44.1
110°	63.0	55.8	52.2	50.4	48.6	47.7	47.7	49.5	50.4	52.2	53.1



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	78.3	69.3	63.9	61.2	58.5	56.7	54.9	54.9	55.8	57.6	59.4
115°	94.5	84.6	77.4	73.8	70.2	65.7	63.9	62.1	61.2	63.0	63.9
117.5°	111.6	101.7	91.8	87.3	83.7	78.3	72.9	71.1	69.3	67.5	68.4
120°	127.8	117.9	107.1	103.5	99.0	91.8	84.6	80.1	78.3	76.5	74.7
122.5°	145.8	135.0	123.3	118.8	115.2	106.2	99.0	92.7	88.2	85.5	82.8
125°	162.0	151.2	140.4	135.9	130.5	122.4	114.3	107.1	100.8	96.3	91.8
127.5°	177.3	167.4	156.6	152.1	148.5	137.7	130.5	122.4	116.1	110.7	105.3
130°	196.2	180.9	172.8	168.3	163.8	155.7	145.8	138.6	132.3	126.0	119.7
132.5°	209.7	199.8	186.3	183.6	179.1	170.1	162.9	154.8	148.5	141.3	135.0
135°	222.3	213.3	205.2	198.9	196.2	185.4	178.2	171.0	163.8	158.4	152.1
137.5°	236.7	226.8	216.9	215.1	209.7	202.5	196.2	187.2	180.9	173.7	168.3
140°	250.2	240.3	233.1	225.9	223.2	217.8	211.5	205.2	198.0	190.8	184.5
142.5°	262.8	252.9	244.8	241.2	236.7	230.4	224.1	219.6	214.2	208.8	202.5
145°	273.6	263.7	257.4	253.8	250.2	243.0	237.6	234.0	228.6	222.3	216.9
147.5°	282.6	275.4	268.2	266.4	259.2	254.7	251.1	245.7	243.9	236.7	233.1
150°	292.5	286.2	280.8	276.3	273.6	266.4	262.8	260.1	255.6	251.1	246.6
152.5°	301.5	296.1	289.8	288.0	284.4	278.1	273.6	269.1	267.3	262.8	258.3
155°	310.5	305.1	299.7	297.0	295.2	290.7	283.5	280.8	279.0	276.3	272.7
157.5°	318.6	312.3	307.8	306.9	302.4	298.8	296.1	291.6	290.7	285.3	283.5
160°	325.8	322.2	315.9	313.2	314.1	308.7	304.2	299.7	303.3	296.1	295.2
162.5°	333.0	328.5	326.7	323.1	322.2	319.5	315.9	311.4	308.7	310.5	304.2
165°	341.1	336.6	333.0	331.2	329.4	323.1	322.2	319.5	320.4	319.5	317.7
167.5°	344.7	341.1	340.2	336.6	336.6	334.8	331.2	327.6	328.5	328.5	324.0
170°	349.2	345.6	343.8	342.0	342.0	337.5	337.5	334.8	338.4	336.6	333.0
172.5°	353.7	350.1	348.3	349.2	346.5	345.6	342.9	341.1	342.9	344.7	342.9
175°	356.4	352.8	352.8	351.9	349.2	349.2	349.2	347.4	348.3	348.3	345.6
177.5°	359.1	356.4	352.8	355.5	355.5	352.8	351.0	353.7	352.8	358.2	353.7
180°	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9	1341.9
2.5°	1342.8	1341.0	1340.1	1337.4	1336.5	1333.8	1332.0	1333.8
5°	1335.6	1333.8	1332.9	1331.1	1331.1	1331.1	1331.1	1333.8
7.5°	1323.9	1322.1	1323.0	1321.2	1322.1	1323.0	1323.0	1323.9
10°	1309.5	1307.7	1306.8	1305.0	1305.9	1305.9	1305.9	1308.6
12.5°	1289.7	1287.9	1287.0	1285.2	1287.0	1288.8	1289.7	1290.6
15°	1269.9	1268.1	1267.2	1265.4	1267.2	1269.0	1268.1	1270.8
17.5°	1245.6	1243.8	1242.0	1240.2	1241.1	1242.0	1242.0	1242.9
20°	1215.9	1213.2	1211.4	1209.6	1210.5	1210.5	1212.3	1213.2
22.5°	1182.6	1179.9	1178.1	1177.2	1176.3	1176.3	1179.9	1180.8
25°	1152.0	1144.8	1143.9	1143.0	1142.1	1141.2	1143.9	1144.8
27.5°	1116.9	1110.6	1107.9	1106.1	1105.2	1103.4	1105.2	1110.6
30°	1078.2	1073.7	1071.0	1067.4	1067.4	1064.7	1067.4	1067.4
32.5°	1035.0	1034.1	1031.4	1030.5	1026.9	1024.2	1026.0	1031.4
35°	990.0	990.9	990.9	989.1	983.7	980.1	981.0	986.4
37.5°	945.9	942.3	943.2	939.6	931.5	927.9	927.9	930.6
40°	893.7	889.2	890.1	888.3	885.6	883.8	884.7	882.9
42.5°	849.6	845.1	846.9	844.2	841.5	838.8	840.6	839.7
45°	804.6	800.1	799.2	801.0	796.5	796.5	795.6	796.5
47.5°	758.7	755.1	756.0	756.0	751.5	751.5	750.6	753.3
50°	712.8	710.1	710.1	708.3	706.5	705.6	705.6	706.5
52.5°	668.7	664.2	663.3	665.1	659.7	660.6	660.6	659.7
55°	620.1	617.4	617.4	618.3	613.8	614.7	614.7	613.8
57.5°	576.0	571.5	571.5	572.4	569.7	568.8	567.9	568.8
60°	529.2	524.7	524.7	525.6	520.2	522.0	522.0	522.9
62.5°	482.4	480.6	477.0	476.1	476.1	475.2	476.1	475.2
65°	434.7	432.9	429.3	431.1	426.6	428.4	426.6	427.5
67.5°	387.0	385.2	382.5	383.4	379.8	381.6	381.6	381.6
70°	339.3	337.5	334.8	333.9	334.8	333.9	333.9	333.9
72.5°	291.6	290.7	287.1	287.1	288.0	287.1	285.3	286.2
75°	242.1	243.0	239.4	240.3	241.2	240.3	240.3	238.5
77.5°	193.5	194.4	193.5	191.7	192.6	192.6	191.7	190.8
80°	147.6	148.5	147.6	145.8	146.7	145.8	145.8	144.9
82.5°	101.7	102.6	100.8	99.0	99.9	99.0	98.1	97.2
85°	57.6	57.6	57.6	55.8	56.7	56.7	55.8	54.9
87.5°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	18.9
90°	3.6	4.5	3.6	3.6	3.6	3.6	3.6	3.6
92.5°	8.1	8.1	7.2	7.2	7.2	6.3	6.3	7.2
95°	14.4	15.3	14.4	14.4	14.4	14.4	14.4	14.4
97.5°	22.5	22.5	22.5	21.6	21.6	20.7	20.7	21.6
100°	30.6	30.6	30.6	30.6	30.6	29.7	29.7	30.6
102.5°	36.0	36.9	36.9	36.9	36.9	36.9	36.9	36.9
105°	39.6	40.5	40.5	40.5	41.4	41.4	41.4	41.4
107.5°	44.1	45.0	45.0	45.0	45.0	45.0	45.9	45.0
110°	53.1	52.2	51.3	51.3	51.3	50.4	51.3	51.3



TEST NUMBER: P303101

CATALOG NUMBER: CTW-F-2575-50L940-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	60.3	61.2	61.2	61.2	61.2	61.2	60.3	61.2
115°	65.7	66.6	66.6	67.5	67.5	67.5	68.4	68.4
117.5°	70.2	71.1	71.1	72.0	72.0	72.9	73.8	73.8
120°	74.7	75.6	75.6	75.6	76.5	76.5	76.5	77.4
122.5°	81.9	81.0	81.0	81.0	81.0	80.1	81.0	81.0
125°	90.9	89.1	88.2	88.2	87.3	86.4	86.4	86.4
127.5°	100.8	99.0	98.1	97.2	96.3	94.5	94.5	93.6
130°	114.3	110.7	109.8	108.0	105.3	104.4	104.4	103.5
132.5°	129.6	126.0	123.3	122.4	118.8	117.0	116.1	116.1
135°	146.7	142.2	140.4	138.6	135.0	132.3	132.3	130.5
137.5°	162.9	157.5	156.6	155.7	152.1	149.4	147.6	145.8
140°	178.2	174.6	171.9	171.9	168.3	164.7	163.8	162.0
142.5°	196.2	192.6	187.2	187.2	182.7	181.8	180.0	179.1
145°	211.5	207.9	206.1	206.1	200.7	199.8	197.1	198.0
147.5°	226.8	224.1	221.4	221.4	216.9	215.1	213.3	212.4
150°	242.1	238.5	236.7	236.7	233.1	230.4	229.5	228.6
152.5°	254.7	251.1	251.1	250.2	245.7	245.7	243.9	244.8
155°	268.2	264.6	265.5	263.7	261.0	259.2	258.3	258.3
157.5°	279.9	278.1	276.3	275.4	274.5	273.6	271.8	270.9
160°	292.5	290.7	288.9	288.0	288.0	286.2	284.4	286.2
162.5°	304.2	301.5	301.5	300.6	300.6	298.8	297.9	298.8
165°	314.1	312.3	312.3	312.3	310.5	312.3	309.6	309.6
167.5°	323.1	323.1	322.2	319.5	319.5	318.6	319.5	320.4
170°	331.2	332.1	330.3	329.4	329.4	329.4	329.4	329.4
172.5°	341.1	339.3	340.2	337.5	338.4	336.6	335.7	337.5
175°	347.4	346.5	346.5	346.5	343.8	344.7	342.9	342.0
177.5°	353.7	353.7	352.8	352.8	351.9	351.0	351.0	349.2
180°	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1

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