

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: P303206

Luminaire Tested: **CTW-F-7525-30L840-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303206
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-6
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

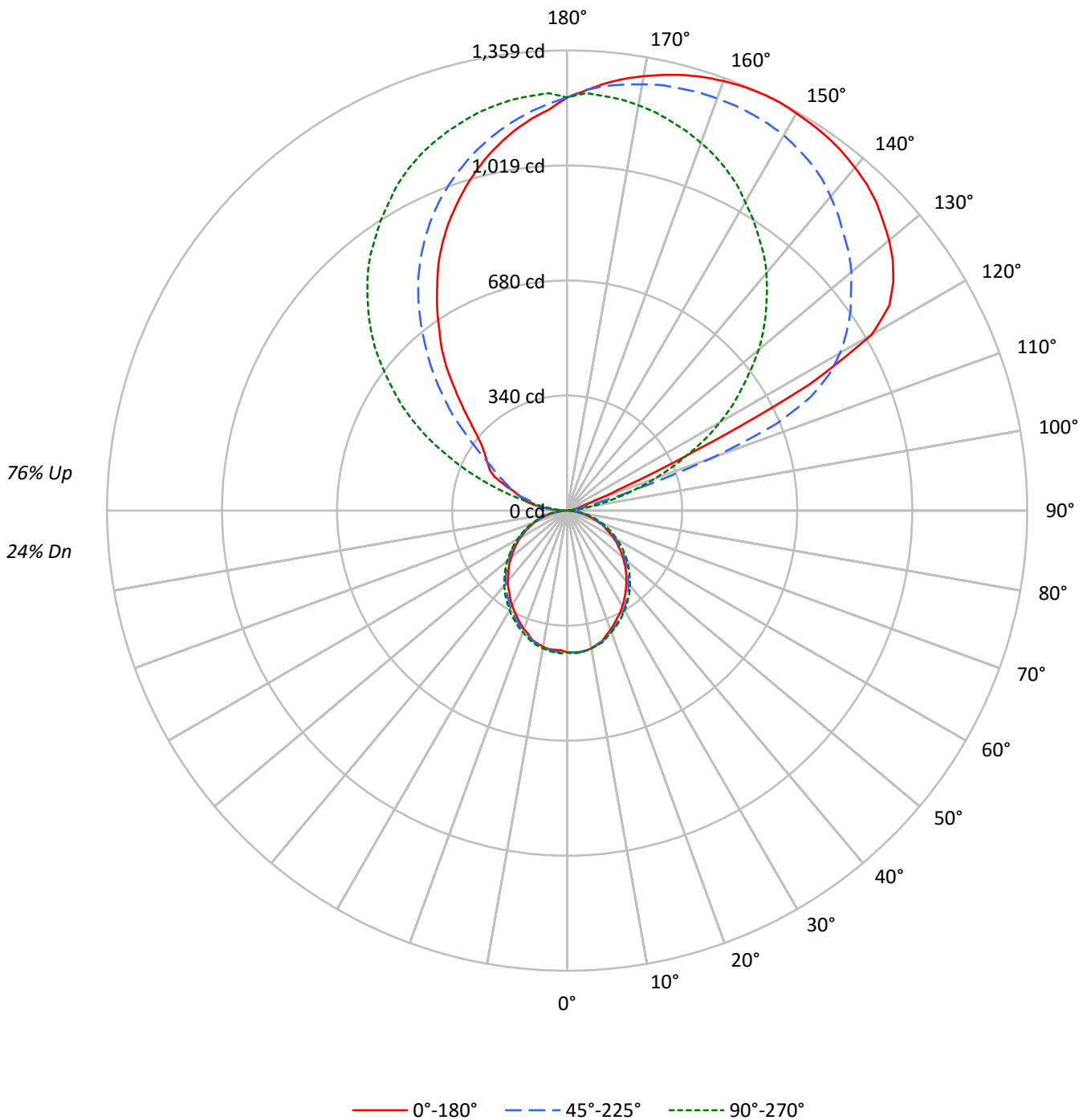
Lumens per Lamp: N/A
Luminaire Lumens: 4568.4 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.3
Input Voltage (V): 120
Input Current (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



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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°	6012	6012	6012
5°	6057	6057	5947
10°	6016	6016	5949
15°	5928	5974	5884
20°	5721	5837	5697
25°	5544	5737	5520
30°	5396	5625	5371
35°	5251	5517	5197
40°	5098	5414	5098
45°	4965	5275	4965
50°	4814	5155	4814
55°	4629	5012	4704
60°	4475	4871	4564
65°	4259	4724	4415
70°	4041	4620	4297
75°	3815	4408	4070
80°	3281	4042	3661
85°	2009	3524	3013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	0.9
10°-20°	111.5	2.4
20°-30°	163.7	3.6
30°-40°	191.9	4.2
40°-50°	194.4	4.3
50°-60°	173.4	3.8
60°-70°	133.0	2.9
70°-80°	78.9	1.7
80°-90°	22.1	0.5
90°-100°	36.2	0.8
100°-110°	150.2	3.3
110°-120°	422.1	9.2
120°-130°	609.8	13.3
130°-140°	655.7	14.4
140°-150°	623.7	13.7
150°-160°	512.0	11.2
160°-170°	334.3	7.3
170°-180°	115.9	2.5
0°-30°	314.8	6.9
0°-40°	506.7	11.1
0°-60°	874.5	19.1
0°-90°	1108.6	24.3
90°-120°	608.5	13.3
90°-150°	2497.6	54.7
90°-180°	3460.0	75.7
0°-180°	4568.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	419	419	419	419	419	
5°	420	419	420	417	413	40
15°	399	401	402	398	396	112
25°	350	359	362	356	349	162
35°	300	310	315	307	297	187
45°	245	252	260	254	245	188
55°	185	193	200	196	188	166
65°	125	133	139	136	130	125
75°	69	73	80	76	73	72
85°	12	15	21	18	18	16
90°	3	2	2	8	12	2
95°	9	11	26	47	47	10
105°	41	106	164	115	138	49
115°	411	794	396	208	237	480
125°	1176	1021	630	335	298	1043
135°	1290	1154	830	550	439	996
145°	1344	1254	986	766	659	843
155°	1359	1292	1112	949	871	628
165°	1332	1290	1189	1087	1038	378
175°	1266	1258	1229	1185	1164	122
180°	1220	1220	1220	1220	1220	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	418.9	417.4	418.9	418.9	420.4	420.4	420.4	418.9	420.4	422.0	420.4
5°	420.4	420.4	418.9	418.9	418.9	418.9	418.9	417.4	418.9	420.4	418.9
7.5°	417.4	417.4	417.4	415.8	415.8	415.8	415.8	415.8	415.8	417.4	417.4
10°	412.8	412.8	411.3	409.7	411.3	411.3	411.3	409.7	411.3	412.8	412.8
12.5°	405.1	406.7	405.1	405.1	405.1	405.1	405.1	405.1	406.7	408.2	406.7
15°	399.0	399.0	399.0	397.5	397.5	397.5	397.5	396.0	399.0	400.6	400.6
17.5°	385.3	385.3	385.3	386.8	388.3	388.3	388.3	386.8	386.8	391.4	389.9
20°	374.6	374.6	374.6	374.6	376.1	376.1	376.1	376.1	376.1	379.2	379.2
22.5°	362.3	363.9	363.9	363.9	365.4	365.4	365.4	365.4	365.4	368.5	370.0
25°	350.1	351.6	351.6	353.2	353.2	353.2	353.2	354.7	354.7	357.7	359.3
27.5°	339.4	339.4	339.4	340.9	340.9	342.5	342.5	344.0	344.0	345.5	348.6
30°	325.6	325.6	327.2	327.2	328.7	330.2	330.2	331.8	331.8	333.3	336.3
32.5°	313.4	313.4	313.4	314.9	316.5	316.5	316.5	318.0	318.0	319.5	322.6
35°	299.7	299.7	299.7	301.2	301.2	302.7	302.7	304.2	305.8	307.3	310.4
37.5°	285.9	285.9	285.9	287.4	287.4	289.0	290.5	292.0	292.0	293.5	296.6
40°	272.1	272.1	272.1	273.7	275.2	275.2	275.2	276.7	278.2	279.8	281.3
42.5°	258.4	256.8	258.4	258.4	259.9	261.4	261.4	263.0	264.5	266.0	267.5
45°	244.6	243.1	244.6	244.6	246.1	246.1	246.1	249.2	249.2	250.7	252.3
47.5°	229.3	229.3	229.3	229.3	232.4	230.9	232.4	233.9	235.4	237.0	238.5
50°	215.6	214.0	215.6	215.6	217.1	217.1	217.1	218.6	220.2	221.7	223.2
52.5°	200.3	200.3	200.3	200.3	201.8	203.3	203.3	204.9	204.9	206.4	207.9
55°	185.0	185.0	186.5	186.5	188.0	188.0	188.0	189.6	189.6	192.6	192.6
57.5°	171.2	171.2	171.2	171.2	172.8	172.8	174.3	174.3	174.3	177.3	178.9
60°	155.9	155.9	157.5	155.9	159.0	157.5	159.0	159.0	160.5	162.1	163.6
62.5°	140.7	142.2	142.2	142.2	142.2	143.7	143.7	145.2	145.2	146.8	148.3
65°	125.4	125.4	126.9	126.9	128.4	128.4	128.4	130.0	130.0	131.5	133.0
67.5°	113.1	113.1	111.6	111.6	113.1	113.1	114.7	114.7	114.7	116.2	116.2
70°	96.3	97.8	97.8	97.8	97.8	99.4	99.4	99.4	100.9	100.9	102.4
72.5°	82.6	82.6	82.6	82.6	82.6	84.1	84.1	84.1	85.6	85.6	87.1
75°	68.8	67.3	68.8	67.3	68.8	68.8	68.8	70.3	70.3	70.3	73.4
77.5°	53.5	53.5	53.5	53.5	53.5	53.5	55.0	55.0	56.6	58.1	58.1
80°	39.7	38.2	39.7	39.7	39.7	39.7	39.7	39.7	41.3	42.8	42.8
82.5°	24.5	24.5	24.5	24.5	26.0	26.0	26.0	26.0	27.5	29.0	29.0
85°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	13.8	13.8	15.3	15.3
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1	3.1	3.1
90°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	1.5
92.5°	4.6	4.6	4.6	4.6	4.6	6.1	6.1	4.6	6.1	6.1	6.1
95°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	10.7	10.7	10.7	10.7
97.5°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	16.8	16.8	18.3	19.9
100°	21.4	21.4	21.4	21.4	21.4	22.9	22.9	24.5	26.0	29.0	33.6
102.5°	30.6	30.6	30.6	30.6	32.1	33.6	33.6	35.2	39.7	45.9	56.6
105°	41.3	41.3	42.8	42.8	44.3	45.9	47.4	53.5	62.7	78.0	105.5
107.5°	58.1	58.1	59.6	62.7	65.7	68.8	74.9	90.2	117.7	160.5	229.3
110°	90.2	90.2	93.3	104.0	114.7	122.3	140.7	186.5	263.0	356.2	455.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	178.9	181.9	191.1	220.2	258.4	282.8	334.8	435.7	529.0	622.2	666.6
115°	411.3	455.6	467.8	522.9	593.2	626.8	663.5	732.3	782.8	805.7	793.5
117.5°	805.7	842.4	840.9	882.1	900.5	911.2	920.4	929.5	911.2	902.0	873.0
120°	1038.1	1047.3	1035.0	1036.6	1033.5	1028.9	1024.3	1009.0	987.6	963.2	931.1
122.5°	1128.3	1125.2	1119.1	1111.5	1099.2	1090.1	1082.4	1062.5	1039.6	1012.1	978.5
125°	1175.7	1172.6	1166.5	1155.8	1142.0	1134.4	1125.2	1105.4	1080.9	1053.4	1021.3
127.5°	1212.4	1207.8	1201.7	1191.0	1178.7	1169.6	1163.5	1142.0	1117.6	1091.6	1056.4
130°	1241.4	1238.4	1230.7	1223.1	1209.3	1201.7	1194.0	1175.7	1148.2	1123.7	1096.2
132.5°	1265.9	1264.4	1258.2	1250.6	1236.8	1229.2	1223.1	1204.7	1178.7	1152.7	1128.3
135°	1290.3	1287.3	1281.2	1273.5	1259.8	1253.7	1246.0	1230.7	1204.7	1178.7	1154.3
137.5°	1308.7	1304.1	1299.5	1293.4	1279.6	1275.1	1267.4	1250.6	1227.7	1206.3	1184.9
140°	1322.5	1317.9	1313.3	1308.7	1296.5	1291.9	1285.8	1268.9	1246.0	1227.7	1210.8
142.5°	1334.7	1330.1	1327.0	1322.5	1311.7	1307.2	1302.6	1285.8	1265.9	1249.1	1235.3
145°	1343.9	1339.3	1337.7	1333.2	1324.0	1319.4	1314.8	1298.0	1279.6	1262.8	1253.7
147.5°	1350.0	1348.4	1345.4	1340.8	1333.2	1330.1	1325.5	1310.2	1290.3	1278.1	1267.4
150°	1354.6	1354.6	1351.5	1348.4	1340.8	1337.7	1333.2	1317.9	1302.6	1291.9	1279.6
152.5°	1359.1	1359.1	1356.1	1351.5	1345.4	1342.3	1336.2	1322.5	1308.7	1301.0	1287.3
155°	1359.1	1360.7	1357.6	1351.5	1346.9	1342.3	1337.7	1324.0	1311.7	1305.6	1291.9
157.5°	1356.1	1357.6	1353.0	1348.4	1343.9	1340.8	1334.7	1322.5	1313.3	1308.7	1294.9
160°	1350.0	1351.5	1348.4	1343.9	1339.3	1337.7	1331.6	1320.9	1313.3	1308.7	1294.9
162.5°	1342.3	1343.9	1342.3	1337.7	1334.7	1333.2	1327.0	1317.9	1310.2	1307.2	1294.9
165°	1331.6	1333.2	1331.6	1327.0	1325.5	1322.5	1317.9	1308.7	1302.6	1302.6	1290.3
167.5°	1317.9	1319.4	1317.9	1310.2	1310.2	1307.2	1305.6	1298.0	1294.9	1296.5	1287.3
170°	1302.6	1304.1	1301.0	1296.5	1298.0	1294.9	1293.4	1288.8	1285.8	1287.3	1278.1
172.5°	1285.8	1287.3	1285.8	1281.2	1282.7	1281.2	1279.6	1273.5	1272.0	1276.6	1268.9
175°	1265.9	1265.9	1265.9	1261.3	1264.4	1262.8	1261.3	1258.2	1258.2	1262.8	1258.2
177.5°	1241.4	1241.4	1243.0	1241.4	1244.5	1243.0	1243.0	1241.4	1241.4	1247.5	1243.0
180°	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	417.4	415.8	415.8	417.4	417.4	417.4	418.9	420.4	420.4	422.0	420.4
5°	417.4	415.8	414.3	415.8	417.4	417.4	417.4	418.9	418.9	420.4	418.9
7.5°	414.3	412.8	412.8	414.3	414.3	414.3	414.3	415.8	415.8	417.4	415.8
10°	409.7	408.2	408.2	408.2	409.7	409.7	411.3	412.8	412.8	412.8	411.3
12.5°	405.1	403.6	403.6	403.6	405.1	405.1	405.1	406.7	408.2	408.2	406.7
15°	396.0	394.4	394.4	396.0	397.5	397.5	399.0	400.6	402.1	402.1	400.6
17.5°	388.3	386.8	386.8	388.3	388.3	389.9	389.9	391.4	389.9	391.4	389.9
20°	377.6	376.1	376.1	377.6	377.6	379.2	379.2	380.7	382.2	382.2	380.7
22.5°	368.5	365.4	366.9	366.9	368.5	368.5	370.0	371.5	371.5	373.0	371.5
25°	357.7	356.2	356.2	357.7	357.7	359.3	359.3	360.8	362.3	362.3	360.8
27.5°	347.0	345.5	344.0	345.5	347.0	348.6	348.6	350.1	351.6	351.6	350.1
30°	334.8	333.3	333.3	334.8	334.8	336.3	337.9	337.9	340.9	339.4	337.9
32.5°	324.1	322.6	321.1	322.6	324.1	324.1	325.6	327.2	327.2	327.2	325.6
35°	310.4	308.8	308.8	308.8	310.4	311.9	313.4	313.4	314.9	314.9	313.4
37.5°	298.1	296.6	295.1	296.6	298.1	299.7	299.7	301.2	301.2	302.7	301.2
40°	284.4	282.8	282.8	282.8	284.4	285.9	285.9	287.4	289.0	289.0	287.4
42.5°	270.6	269.1	269.1	269.1	270.6	272.1	272.1	273.7	275.2	273.7	273.7
45°	256.8	255.3	255.3	255.3	256.8	256.8	258.4	259.9	259.9	259.9	258.4
47.5°	240.0	241.6	241.6	241.6	241.6	243.1	243.1	244.6	244.6	246.1	244.6
50°	224.7	226.3	226.3	226.3	227.8	227.8	229.3	229.3	229.3	230.9	229.3
52.5°	211.0	211.0	211.0	212.5	212.5	212.5	214.0	215.6	215.6	215.6	214.0
55°	195.7	195.7	197.2	198.7	198.7	198.7	198.7	200.3	200.3	200.3	200.3
57.5°	180.4	180.4	181.9	183.5	183.5	183.5	183.5	185.0	185.0	185.0	183.5
60°	165.1	165.1	166.6	168.2	168.2	168.2	168.2	169.7	169.7	169.7	169.7
62.5°	149.8	149.8	151.4	152.9	152.9	152.9	152.9	154.4	154.4	154.4	154.4
65°	134.5	134.5	136.1	137.6	137.6	137.6	139.1	139.1	140.7	139.1	140.7
67.5°	119.2	120.8	120.8	122.3	122.3	122.3	123.8	123.8	125.4	125.4	125.4
70°	104.0	105.5	105.5	107.0	107.0	107.0	107.0	108.5	110.1	110.1	110.1
72.5°	88.7	88.7	90.2	91.7	91.7	91.7	93.3	93.3	94.8	94.8	94.8
75°	73.4	74.9	74.9	76.4	76.4	76.4	78.0	78.0	79.5	79.5	79.5
77.5°	58.1	59.6	61.2	62.7	61.2	62.7	62.7	64.2	64.2	64.2	65.7
80°	44.3	45.9	45.9	47.4	47.4	47.4	47.4	48.9	50.5	48.9	50.5
82.5°	30.6	30.6	32.1	33.6	33.6	33.6	33.6	35.2	35.2	35.2	36.7
85°	16.8	18.3	18.3	18.3	19.9	19.9	21.4	21.4	21.4	21.4	22.9
87.5°	4.6	4.6	6.1	7.6	7.6	7.6	7.6	9.2	9.2	9.2	10.7
90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
92.5°	6.1	6.1	7.6	7.6	9.2	9.2	12.2	13.8	12.2	9.2	12.2
95°	12.2	15.3	18.3	24.5	27.5	29.0	36.7	36.7	32.1	26.0	24.5
97.5°	24.5	30.6	38.2	52.0	58.1	65.7	73.4	70.3	58.1	47.4	44.3
100°	41.3	55.0	78.0	102.4	113.1	122.3	123.8	113.1	94.8	78.0	70.3
102.5°	76.4	108.5	151.4	189.6	194.2	198.7	189.6	168.2	140.7	116.2	100.9
105°	155.9	220.2	272.1	295.1	293.5	289.0	263.0	230.9	195.7	163.6	137.6
107.5°	321.1	382.2	414.3	403.6	389.9	376.1	336.3	299.7	255.3	215.6	188.0
110°	527.5	544.3	532.0	498.4	477.0	458.7	412.8	366.9	318.0	275.2	237.0



TEST NUMBER: P303206

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	675.7	652.8	616.1	573.3	551.9	529.0	481.6	437.2	380.7	336.3	293.5
115°	769.0	730.8	688.0	642.1	619.2	596.2	550.4	499.9	443.4	396.0	353.2
117.5°	834.7	791.9	750.7	706.3	681.9	658.9	611.5	561.1	504.5	461.7	415.8
120°	891.3	851.6	807.2	762.9	740.0	718.6	669.6	619.2	564.1	521.3	473.9
122.5°	941.8	902.0	857.7	814.9	793.5	772.1	723.1	672.7	620.7	579.4	530.5
125°	984.6	947.9	906.6	862.3	842.4	821.0	772.1	724.7	675.7	629.9	587.1
127.5°	1028.9	992.2	952.5	909.7	888.3	865.3	819.5	772.1	726.2	683.4	642.1
130°	1065.6	1028.9	992.2	950.9	929.5	908.1	863.8	817.9	775.1	738.4	694.1
132.5°	1100.8	1065.6	1028.9	986.1	966.2	946.4	906.6	863.8	825.6	785.8	744.5
135°	1132.9	1096.2	1061.0	1019.7	999.9	983.0	943.3	903.5	868.4	830.2	791.9
137.5°	1158.9	1125.2	1087.0	1048.8	1032.0	1016.7	978.5	941.8	908.1	873.0	837.8
140°	1183.3	1148.2	1111.5	1076.3	1059.5	1045.7	1010.6	978.5	946.4	915.8	880.6
142.5°	1206.3	1169.6	1132.9	1100.8	1087.0	1073.2	1042.7	1012.1	981.5	954.0	920.4
145°	1223.1	1187.9	1152.7	1123.7	1113.0	1099.2	1068.7	1042.7	1015.2	986.1	957.1
147.5°	1239.9	1206.3	1174.2	1146.6	1135.9	1123.7	1096.2	1073.2	1047.3	1021.3	992.2
150°	1253.7	1220.0	1192.5	1168.0	1157.3	1148.2	1120.6	1100.8	1076.3	1051.8	1027.4
152.5°	1261.3	1232.2	1206.3	1186.4	1177.2	1168.0	1145.1	1128.3	1103.8	1085.5	1059.5
155°	1265.9	1241.4	1218.5	1201.7	1194.0	1187.9	1165.0	1149.7	1129.8	1111.5	1088.5
157.5°	1270.5	1247.5	1227.7	1213.9	1207.8	1200.1	1180.3	1168.0	1151.2	1135.9	1114.5
160°	1272.0	1252.1	1235.3	1223.1	1218.5	1212.4	1195.6	1184.9	1169.6	1155.8	1135.9
162.5°	1272.0	1256.7	1241.4	1232.2	1227.7	1221.5	1207.8	1200.1	1186.4	1174.2	1157.3
165°	1272.0	1258.2	1244.5	1238.4	1233.8	1230.7	1218.5	1210.8	1198.6	1189.4	1175.7
167.5°	1268.9	1256.7	1247.5	1243.0	1239.9	1235.3	1226.1	1220.0	1210.8	1204.7	1191.0
170°	1262.8	1253.7	1244.5	1243.0	1241.4	1238.4	1230.7	1227.7	1221.5	1215.4	1204.7
172.5°	1256.7	1247.5	1241.4	1241.4	1239.9	1238.4	1232.2	1232.2	1227.7	1224.6	1213.9
175°	1244.5	1238.4	1233.8	1235.3	1235.3	1233.8	1230.7	1232.2	1230.7	1229.2	1223.1
177.5°	1232.2	1227.7	1226.1	1229.2	1229.2	1229.2	1227.7	1232.2	1232.2	1233.8	1227.7
180°	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0



TEST NUMBER: P303206

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	417.4	415.8	415.8	415.8	415.8	417.4	417.4	415.8	418.9	420.4	418.9
5°	415.8	414.3	414.3	414.3	415.8	415.8	415.8	415.8	417.4	418.9	417.4
7.5°	414.3	411.3	411.3	411.3	412.8	412.8	412.8	411.3	414.3	415.8	412.8
10°	408.2	406.7	406.7	406.7	408.2	408.2	408.2	406.7	408.2	409.7	408.2
12.5°	403.6	402.1	402.1	402.1	402.1	403.6	402.1	402.1	403.6	405.1	402.1
15°	396.0	392.9	392.9	392.9	394.4	394.4	394.4	392.9	397.5	396.0	394.4
17.5°	386.8	383.7	383.7	383.7	385.3	385.3	383.7	382.2	385.3	385.3	383.7
20°	377.6	374.6	374.6	374.6	376.1	376.1	376.1	374.6	376.1	376.1	374.6
22.5°	368.5	365.4	365.4	365.4	366.9	366.9	365.4	363.9	366.9	365.4	363.9
25°	357.7	356.2	356.2	356.2	356.2	356.2	354.7	353.2	356.2	354.7	353.2
27.5°	347.0	345.5	345.5	345.5	345.5	345.5	344.0	342.5	344.0	342.5	342.5
30°	336.3	333.3	333.3	334.8	334.8	333.3	331.8	331.8	333.3	331.8	330.2
32.5°	324.1	322.6	321.1	322.6	322.6	322.6	319.5	319.5	319.5	318.0	318.0
35°	311.9	310.4	308.8	310.4	310.4	308.8	307.3	307.3	307.3	305.8	304.2
37.5°	298.1	296.6	296.6	296.6	296.6	296.6	293.5	295.1	295.1	292.0	292.0
40°	284.4	282.8	282.8	284.4	284.4	282.8	281.3	282.8	281.3	279.8	278.2
42.5°	272.1	269.1	270.6	270.6	270.6	269.1	269.1	269.1	267.5	266.0	264.5
45°	256.8	255.3	256.8	256.8	256.8	255.3	255.3	253.8	253.8	252.3	250.7
47.5°	243.1	241.6	243.1	243.1	243.1	240.0	241.6	240.0	240.0	237.0	237.0
50°	227.8	227.8	229.3	227.8	227.8	226.3	226.3	224.7	224.7	223.2	221.7
52.5°	214.0	214.0	214.0	214.0	214.0	212.5	212.5	211.0	211.0	209.5	207.9
55°	198.7	198.7	200.3	200.3	198.7	197.2	197.2	197.2	195.7	194.2	192.6
57.5°	183.5	185.0	185.0	183.5	185.0	183.5	181.9	181.9	180.4	178.9	178.9
60°	169.7	169.7	169.7	169.7	169.7	168.2	168.2	168.2	165.1	163.6	163.6
62.5°	154.4	155.9	154.4	154.4	154.4	152.9	152.9	152.9	151.4	149.8	149.8
65°	140.7	140.7	140.7	139.1	139.1	139.1	139.1	137.6	136.1	134.5	134.5
67.5°	125.4	125.4	125.4	125.4	123.8	123.8	122.3	122.3	120.8	120.8	119.2
70°	110.1	110.1	110.1	110.1	108.5	108.5	108.5	107.0	105.5	105.5	105.5
72.5°	94.8	94.8	94.8	94.8	94.8	93.3	93.3	91.7	91.7	91.7	90.2
75°	79.5	79.5	79.5	79.5	79.5	78.0	78.0	76.4	76.4	76.4	74.9
77.5°	64.2	64.2	64.2	64.2	64.2	64.2	62.7	62.7	62.7	61.2	61.2
80°	50.5	50.5	48.9	50.5	48.9	48.9	48.9	48.9	47.4	47.4	45.9
82.5°	35.2	36.7	35.2	35.2	35.2	35.2	35.2	33.6	33.6	33.6	32.1
85°	22.9	22.9	22.9	21.4	21.4	21.4	19.9	19.9	18.3	19.9	18.3
87.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	7.6	9.2	7.6
90°	3.1	4.6	4.6	4.6	6.1	7.6	6.1	7.6	7.6	9.2	9.2
92.5°	18.3	21.4	21.4	21.4	22.9	24.5	22.9	24.5	24.5	24.5	22.9
95°	29.0	33.6	42.8	44.3	47.4	50.5	50.5	48.9	47.4	47.4	45.9
97.5°	41.3	48.9	50.5	53.5	56.6	65.7	70.3	74.9	78.0	78.0	76.4
100°	64.2	62.7	70.3	74.9	71.9	73.4	78.0	87.1	91.7	94.8	97.8
102.5°	91.7	84.1	84.1	87.1	91.7	99.4	93.3	96.3	99.4	104.0	111.6
105°	125.4	113.1	108.5	107.0	108.5	114.7	122.3	119.2	114.7	117.7	120.8
107.5°	165.1	149.8	136.1	133.0	133.0	133.0	139.1	146.8	151.4	146.8	139.1
110°	211.0	188.0	171.2	163.6	160.5	157.5	155.9	163.6	172.8	177.3	178.9



TEST NUMBER: P303206

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	261.4	232.4	211.0	203.3	194.2	185.0	181.9	183.5	186.5	197.2	201.8
115°	318.0	284.4	255.3	246.1	237.0	217.1	209.5	206.4	207.9	211.0	218.6
117.5°	374.6	340.9	305.8	292.0	281.3	259.9	240.0	233.9	230.9	232.4	233.9
120°	435.7	399.0	360.8	344.0	330.2	307.3	279.8	264.5	256.8	255.3	253.8
122.5°	492.3	457.1	423.5	402.1	383.7	354.7	327.2	305.8	292.0	281.3	278.2
125°	547.3	512.2	480.1	463.2	444.9	412.8	379.2	354.7	334.8	318.0	307.3
127.5°	600.8	567.2	533.6	518.3	503.0	467.8	435.7	411.3	385.3	363.9	347.0
130°	652.8	619.2	588.6	574.8	555.0	521.3	490.8	463.2	441.8	418.9	394.4
132.5°	704.8	672.7	643.6	628.4	611.5	576.4	545.8	519.8	493.8	473.9	454.1
135°	752.2	720.1	692.6	680.3	660.5	629.9	600.8	576.4	550.4	527.5	509.1
137.5°	798.1	767.5	740.0	727.7	710.9	681.9	654.3	631.4	603.9	581.0	564.1
140°	840.9	810.3	784.3	772.1	758.3	730.8	703.3	684.9	657.4	636.0	617.7
142.5°	883.7	854.6	828.6	817.9	804.2	778.2	752.2	736.9	712.4	692.6	672.7
145°	921.9	892.8	869.9	860.7	848.5	822.5	799.6	784.3	766.0	746.1	726.2
147.5°	958.6	931.1	909.7	902.0	891.3	868.4	845.5	831.7	817.9	796.5	778.2
150°	995.3	966.2	947.9	940.2	931.1	911.2	889.8	874.5	863.8	842.4	827.1
152.5°	1028.9	1004.5	984.6	975.4	967.8	950.9	929.5	914.2	908.1	889.8	873.0
155°	1059.5	1035.0	1019.7	1009.0	1004.5	986.1	969.3	952.5	949.4	929.5	917.3
157.5°	1085.5	1064.1	1047.3	1041.1	1035.0	1021.3	1004.5	990.7	987.6	970.8	957.1
160°	1111.5	1090.1	1077.8	1071.7	1065.6	1050.3	1036.6	1022.8	1022.8	1010.6	998.3
162.5°	1132.9	1114.5	1103.8	1099.2	1094.7	1084.0	1068.7	1054.9	1054.9	1045.7	1035.0
165°	1152.7	1135.9	1126.8	1123.7	1117.6	1109.9	1099.2	1085.5	1087.0	1077.8	1068.7
167.5°	1172.6	1155.8	1148.2	1145.1	1142.0	1134.4	1125.2	1113.0	1114.5	1109.9	1099.2
170°	1187.9	1172.6	1166.5	1163.5	1161.9	1155.8	1149.7	1139.0	1140.5	1137.5	1128.3
172.5°	1198.6	1186.4	1183.3	1180.3	1180.3	1175.7	1171.1	1161.9	1163.5	1165.0	1154.3
175°	1207.8	1197.1	1195.6	1194.0	1194.0	1192.5	1189.4	1181.8	1184.9	1187.9	1178.7
177.5°	1215.4	1207.8	1207.8	1207.8	1207.8	1207.8	1206.3	1200.1	1203.2	1209.3	1200.1
180°	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0



TEST NUMBER: P303206

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	418.9	418.9	418.9	418.9	418.9	415.8	414.3	412.8
5°	417.4	417.4	415.8	415.8	417.4	415.8	414.3	412.8
7.5°	412.8	412.8	412.8	412.8	414.3	412.8	411.3	412.8
10°	408.2	408.2	406.7	406.7	408.2	408.2	406.7	408.2
12.5°	402.1	402.1	400.6	402.1	402.1	402.1	402.1	402.1
15°	394.4	392.9	392.9	392.9	394.4	394.4	394.4	396.0
17.5°	383.7	383.7	382.2	383.7	385.3	383.7	382.2	382.2
20°	374.6	373.0	373.0	373.0	374.6	373.0	373.0	373.0
22.5°	363.9	362.3	362.3	362.3	363.9	362.3	360.8	360.8
25°	351.6	351.6	351.6	351.6	351.6	350.1	348.6	348.6
27.5°	340.9	340.9	339.4	340.9	339.4	337.9	336.3	336.3
30°	328.7	328.7	327.2	328.7	327.2	325.6	324.1	324.1
32.5°	316.5	314.9	314.9	316.5	314.9	313.4	311.9	311.9
35°	302.7	302.7	302.7	302.7	301.2	299.7	298.1	296.6
37.5°	290.5	289.0	289.0	289.0	287.4	285.9	285.9	285.9
40°	276.7	275.2	275.2	276.7	273.7	272.1	272.1	272.1
42.5°	263.0	263.0	261.4	261.4	259.9	258.4	256.8	256.8
45°	247.7	249.2	247.7	247.7	246.1	244.6	243.1	244.6
47.5°	233.9	233.9	233.9	233.9	232.4	230.9	229.3	230.9
50°	220.2	220.2	220.2	220.2	217.1	217.1	215.6	215.6
52.5°	206.4	206.4	204.9	204.9	203.3	203.3	201.8	201.8
55°	191.1	191.1	191.1	191.1	189.6	188.0	188.0	188.0
57.5°	177.3	177.3	175.8	175.8	174.3	174.3	172.8	174.3
60°	162.1	162.1	162.1	162.1	160.5	160.5	159.0	159.0
62.5°	148.3	146.8	146.8	146.8	145.2	145.2	145.2	145.2
65°	133.0	133.0	131.5	133.0	131.5	131.5	130.0	130.0
67.5°	119.2	117.7	117.7	117.7	117.7	116.2	116.2	116.2
70°	104.0	102.4	102.4	102.4	102.4	102.4	100.9	102.4
72.5°	88.7	88.7	88.7	88.7	87.1	87.1	87.1	87.1
75°	74.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4
77.5°	61.2	59.6	59.6	59.6	59.6	58.1	58.1	58.1
80°	45.9	45.9	45.9	44.3	44.3	44.3	44.3	44.3
82.5°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	29.0
85°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
87.5°	7.6	7.6	7.6	7.6	9.2	9.2	9.2	9.2
90°	9.2	9.2	10.7	10.7	10.7	10.7	12.2	12.2
92.5°	24.5	24.5	26.0	26.0	24.5	24.5	26.0	26.0
95°	47.4	47.4	47.4	47.4	45.9	45.9	47.4	47.4
97.5°	76.4	74.9	76.4	74.9	73.4	73.4	73.4	71.9
100°	100.9	100.9	102.4	102.4	102.4	102.4	104.0	102.4
102.5°	114.7	116.2	117.7	117.7	119.2	120.8	120.8	120.8
105°	123.8	125.4	128.4	130.0	134.5	136.1	137.6	137.6
107.5°	142.2	142.2	143.7	145.2	145.2	146.8	148.3	148.3
110°	175.8	169.7	168.2	168.2	165.1	165.1	166.6	168.2



TEST NUMBER: P303206

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	206.4	207.9	207.9	209.5	203.3	200.3	201.8	201.8
115°	226.3	229.3	229.3	232.4	232.4	233.9	237.0	237.0
117.5°	240.0	244.6	246.1	247.7	252.3	253.8	256.8	256.8
120°	256.8	259.9	261.4	263.0	264.5	266.0	267.5	269.1
122.5°	278.2	276.7	278.2	278.2	279.8	281.3	281.3	282.8
125°	302.7	301.2	299.7	301.2	298.1	296.6	296.6	298.1
127.5°	336.3	330.2	327.2	324.1	322.6	321.1	319.5	318.0
130°	379.2	370.0	363.9	362.3	354.7	350.1	347.0	348.6
132.5°	435.7	422.0	415.8	412.8	399.0	391.4	388.3	388.3
135°	492.3	477.0	470.9	463.2	454.1	446.4	438.8	438.8
137.5°	545.8	535.1	527.5	519.8	510.6	503.0	495.3	493.8
140°	599.3	587.1	579.4	573.3	565.7	558.0	550.4	555.0
142.5°	654.3	640.6	632.9	631.4	620.7	613.1	608.5	610.0
145°	707.9	694.1	688.0	684.9	675.7	666.6	662.0	658.9
147.5°	761.4	749.1	743.0	740.0	730.8	721.6	717.0	715.5
150°	811.8	801.1	795.0	790.4	784.3	776.7	767.5	767.5
152.5°	860.7	850.0	842.4	842.4	836.3	827.1	817.9	822.5
155°	905.1	895.9	891.3	889.8	883.7	876.0	868.4	871.4
157.5°	947.9	937.2	934.1	931.1	928.0	921.9	914.2	917.3
160°	989.2	980.0	976.9	973.9	970.8	964.7	957.1	958.6
162.5°	1028.9	1022.8	1016.7	1015.2	1013.6	1006.0	998.3	999.9
165°	1062.5	1056.4	1051.8	1050.3	1050.3	1044.2	1036.6	1038.1
167.5°	1094.7	1087.0	1084.0	1080.9	1082.4	1077.8	1071.7	1074.8
170°	1123.7	1119.1	1116.1	1114.5	1116.1	1109.9	1105.4	1106.9
172.5°	1151.2	1148.2	1145.1	1143.6	1146.6	1142.0	1135.9	1137.5
175°	1175.7	1172.6	1171.1	1169.6	1171.1	1165.0	1161.9	1163.5
177.5°	1198.6	1197.1	1195.6	1194.0	1197.1	1189.4	1183.3	1186.4
180°	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0	1220.0

(END OF REPORT)