

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: P303214

Luminaire Tested: **CTW-F-7525-30L935-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303214
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-7525-30L935-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

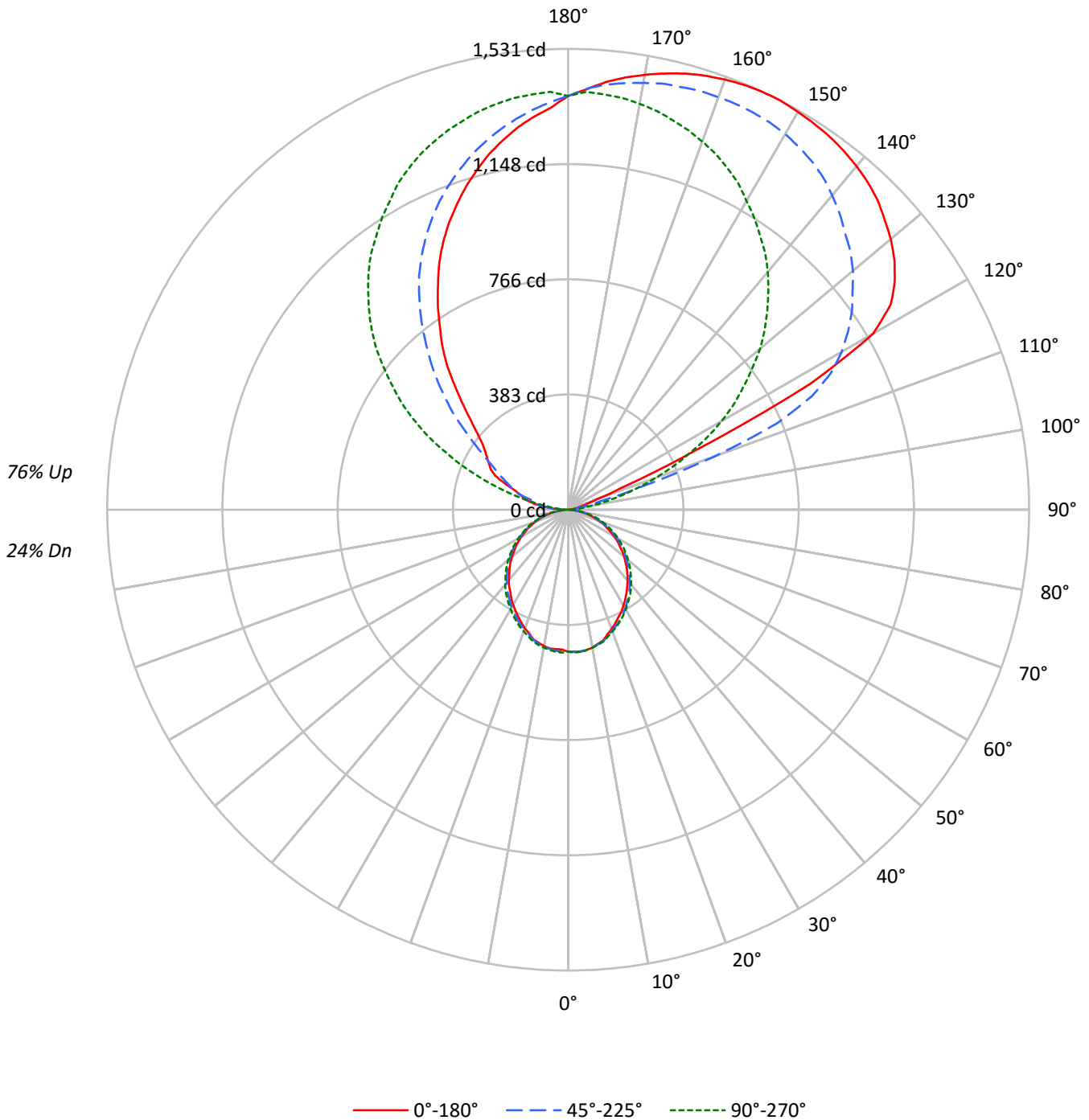
Lumens per Lamp: N/A
Luminaire Lumens: 5145.6 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 42.5
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	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°	5078	5078	5078
5°	5116	5116	5023
10°	5081	5081	5026
15°	5008	5047	4970
20°	4833	4931	4813
25°	4683	4847	4663
30°	4559	4752	4538
35°	4435	4661	4390
40°	4307	4574	4307
45°	4194	4456	4194
50°	4066	4354	4066
55°	3911	4234	3975
60°	3780	4114	3856
65°	3596	3991	3729
70°	3415	3902	3632
75°	3223	3722	3439
80°	2777	3415	3093
85°	1704	2976	2556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	0.9
10°-20°	125.6	2.4
20°-30°	184.4	3.6
30°-40°	216.1	4.2
40°-50°	219.0	4.3
50°-60°	195.3	3.8
60°-70°	149.9	2.9
70°-80°	88.9	1.7
80°-90°	24.9	0.5
90°-100°	40.8	0.8
100°-110°	169.1	3.3
110°-120°	475.4	9.2
120°-130°	686.8	13.3
130°-140°	738.5	14.4
140°-150°	702.5	13.7
150°-160°	576.7	11.2
160°-170°	376.6	7.3
170°-180°	130.5	2.5
0°-30°	354.5	6.9
0°-40°	570.7	11.1
0°-60°	984.9	19.1
0°-90°	1248.6	24.3
90°-120°	685.4	13.3
90°-150°	2813.2	54.7
90°-180°	3897.0	75.7
0°-180°	5145.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	472	472	472	472	472	
5°	474	472	474	470	465	45
15°	449	451	453	448	446	126
25°	394	405	408	401	393	182
35°	338	350	355	346	334	211
45°	276	284	293	286	276	212
55°	208	217	226	220	212	187
65°	141	150	157	153	146	141
75°	78	83	90	86	83	81
85°	14	17	24	21	21	18
90°	3	2	2	9	14	2
95°	10	12	29	53	53	11
105°	46	119	184	129	155	55
115°	463	894	446	234	267	540
125°	1324	1150	710	377	336	1174
135°	1453	1300	935	620	494	1121
145°	1514	1412	1111	863	742	949
155°	1531	1455	1252	1069	982	707
165°	1500	1453	1340	1224	1169	425
175°	1426	1417	1384	1334	1310	137
180°	1374	1374	1374	1374	1374	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8
2.5°	471.8	470.1	471.8	471.8	473.5	473.5	473.5	471.8	473.5	475.3	473.5
5°	473.5	473.5	471.8	471.8	471.8	471.8	471.8	470.1	471.8	473.5	471.8
7.5°	470.1	470.1	470.1	468.4	468.4	468.4	468.4	468.4	468.4	470.1	470.1
10°	464.9	464.9	463.2	461.5	463.2	463.2	463.2	461.5	463.2	464.9	464.9
12.5°	456.3	458.1	456.3	456.3	456.3	456.3	456.3	456.3	458.1	459.8	458.1
15°	449.4	449.4	449.4	447.7	447.7	447.7	447.7	446.0	449.4	451.2	451.2
17.5°	433.9	433.9	433.9	435.7	437.4	437.4	437.4	435.7	435.7	440.8	439.1
20°	421.9	421.9	421.9	421.9	423.6	423.6	423.6	423.6	423.6	427.1	427.1
22.5°	408.1	409.8	409.8	409.8	411.6	411.6	411.6	411.6	411.6	415.0	416.7
25°	394.3	396.1	396.1	397.8	397.8	397.8	397.8	399.5	399.5	402.9	404.7
27.5°	382.3	382.3	382.3	384.0	384.0	385.7	385.7	387.4	387.4	389.2	392.6
30°	366.8	366.8	368.5	368.5	370.2	372.0	372.0	373.7	373.7	375.4	378.8
32.5°	353.0	353.0	353.0	354.7	356.5	356.5	356.5	358.2	358.2	359.9	363.3
35°	337.5	337.5	337.5	339.2	339.2	341.0	341.0	342.7	344.4	346.1	349.6
37.5°	322.0	322.0	322.0	323.7	323.7	325.5	327.2	328.9	328.9	330.6	334.1
40°	306.5	306.5	306.5	308.2	310.0	310.0	310.0	311.7	313.4	315.1	316.8
42.5°	291.0	289.3	291.0	291.0	292.7	294.5	294.5	296.2	297.9	299.6	301.3
45°	275.5	273.8	275.5	275.5	277.2	277.2	277.2	280.7	280.7	282.4	284.1
47.5°	258.3	258.3	258.3	258.3	261.7	260.0	261.7	263.5	265.2	266.9	268.6
50°	242.8	241.1	242.8	242.8	244.5	244.5	244.5	246.2	248.0	249.7	251.4
52.5°	225.6	225.6	225.6	225.6	227.3	229.0	229.0	230.7	230.7	232.5	234.2
55°	208.4	208.4	210.1	210.1	211.8	211.8	211.8	213.5	213.5	217.0	217.0
57.5°	192.9	192.9	192.9	192.9	194.6	194.6	196.3	196.3	196.3	199.8	201.5
60°	175.6	175.6	177.4	175.6	179.1	177.4	179.1	179.1	180.8	182.5	184.3
62.5°	158.4	160.1	160.1	160.1	160.1	161.9	161.9	163.6	163.6	165.3	167.0
65°	141.2	141.2	142.9	142.9	144.6	144.6	144.6	146.4	146.4	148.1	149.8
67.5°	127.4	127.4	125.7	125.7	127.4	127.4	129.1	129.1	129.1	130.9	130.9
70°	108.5	110.2	110.2	110.2	110.2	111.9	111.9	111.9	113.7	113.7	115.4
72.5°	93.0	93.0	93.0	93.0	93.0	94.7	94.7	94.7	96.4	96.4	98.2
75°	77.5	75.8	77.5	75.8	77.5	77.5	77.5	79.2	79.2	79.2	82.7
77.5°	60.3	60.3	60.3	60.3	60.3	60.3	62.0	62.0	63.7	65.4	65.4
80°	44.8	43.0	44.8	44.8	44.8	44.8	44.8	44.8	46.5	48.2	48.2
82.5°	27.6	27.6	27.6	27.6	29.3	29.3	29.3	29.3	31.0	32.7	32.7
85°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	15.5	15.5	17.2	17.2
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4
90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7
92.5°	5.2	5.2	5.2	5.2	5.2	6.9	6.9	5.2	6.9	6.9	6.9
95°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.1	12.1	12.1	12.1
97.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	18.9	18.9	20.7	22.4
100°	24.1	24.1	24.1	24.1	24.1	25.8	25.8	27.6	29.3	32.7	37.9
102.5°	34.4	34.4	34.4	34.4	36.2	37.9	37.9	39.6	44.8	51.7	63.7
105°	46.5	46.5	48.2	48.2	49.9	51.7	53.4	60.3	70.6	87.8	118.8
107.5°	65.4	65.4	67.2	70.6	74.0	77.5	84.4	101.6	132.6	180.8	258.3
110°	101.6	101.6	105.0	117.1	129.1	137.8	158.4	210.1	296.2	401.2	513.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	201.5	204.9	215.2	248.0	291.0	318.6	377.1	490.8	595.8	700.9	750.8
115°	463.2	513.2	526.9	588.9	668.1	706.0	747.3	824.8	881.7	907.5	893.7
117.5°	907.5	948.8	947.1	993.6	1014.3	1026.3	1036.6	1047.0	1026.3	1016.0	983.3
120°	1169.2	1179.6	1165.8	1167.5	1164.1	1158.9	1153.7	1136.5	1112.4	1084.9	1048.7
122.5°	1270.8	1267.4	1260.5	1251.9	1238.1	1227.8	1219.2	1196.8	1171.0	1140.0	1102.1
125°	1324.2	1320.8	1313.9	1301.8	1286.3	1277.7	1267.4	1245.0	1217.5	1186.5	1150.3
127.5°	1365.5	1360.4	1353.5	1341.4	1327.7	1317.3	1310.4	1286.3	1258.8	1229.5	1189.9
130°	1398.3	1394.8	1386.2	1377.6	1362.1	1353.5	1344.9	1324.2	1293.2	1265.7	1234.7
132.5°	1425.8	1424.1	1417.2	1408.6	1393.1	1384.5	1377.6	1356.9	1327.7	1298.4	1270.8
135°	1453.4	1449.9	1443.0	1434.4	1418.9	1412.0	1403.4	1386.2	1356.9	1327.7	1300.1
137.5°	1474.0	1468.9	1463.7	1456.8	1441.3	1436.1	1427.5	1408.6	1382.8	1358.7	1334.5
140°	1489.5	1484.4	1479.2	1474.0	1460.3	1455.1	1448.2	1429.3	1403.4	1382.8	1363.8
142.5°	1503.3	1498.1	1494.7	1489.5	1477.5	1472.3	1467.1	1448.2	1425.8	1406.9	1391.4
145°	1513.6	1508.5	1506.7	1501.6	1491.3	1486.1	1480.9	1462.0	1441.3	1422.4	1412.0
147.5°	1520.5	1518.8	1515.4	1510.2	1501.6	1498.1	1493.0	1475.8	1453.4	1439.6	1427.5
150°	1525.7	1525.7	1522.2	1518.8	1510.2	1506.7	1501.6	1484.4	1467.1	1455.1	1441.3
152.5°	1530.9	1530.9	1527.4	1522.2	1515.4	1511.9	1505.0	1489.5	1474.0	1465.4	1449.9
155°	1530.9	1532.6	1529.1	1522.2	1517.1	1511.9	1506.7	1491.3	1477.5	1470.6	1455.1
157.5°	1527.4	1529.1	1524.0	1518.8	1513.6	1510.2	1503.3	1489.5	1479.2	1474.0	1458.5
160°	1520.5	1522.2	1518.8	1513.6	1508.5	1506.7	1499.9	1487.8	1479.2	1474.0	1458.5
162.5°	1511.9	1513.6	1511.9	1506.7	1503.3	1501.6	1494.7	1484.4	1475.8	1472.3	1458.5
165°	1499.9	1501.6	1499.9	1494.7	1493.0	1489.5	1484.4	1474.0	1467.1	1467.1	1453.4
167.5°	1484.4	1486.1	1484.4	1475.8	1475.8	1472.3	1470.6	1462.0	1458.5	1460.3	1449.9
170°	1467.1	1468.9	1465.4	1460.3	1462.0	1458.5	1456.8	1451.6	1448.2	1449.9	1439.6
172.5°	1448.2	1449.9	1448.2	1443.0	1444.8	1443.0	1441.3	1434.4	1432.7	1437.9	1429.3
175°	1425.8	1425.8	1425.8	1420.6	1424.1	1422.4	1420.6	1417.2	1417.2	1422.4	1417.2
177.5°	1398.3	1398.3	1400.0	1398.3	1401.7	1400.0	1400.0	1398.3	1398.3	1405.2	1400.0
180°	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8
2.5°	470.1	468.4	468.4	470.1	470.1	470.1	471.8	473.5	473.5	475.3	473.5
5°	470.1	468.4	466.7	468.4	470.1	470.1	470.1	471.8	471.8	473.5	471.8
7.5°	466.7	464.9	464.9	466.7	466.7	466.7	466.7	468.4	468.4	470.1	468.4
10°	461.5	459.8	459.8	459.8	461.5	461.5	463.2	464.9	464.9	464.9	463.2
12.5°	456.3	454.6	454.6	454.6	456.3	456.3	456.3	458.1	459.8	459.8	458.1
15°	446.0	444.3	444.3	446.0	447.7	447.7	449.4	451.2	452.9	452.9	451.2
17.5°	437.4	435.7	435.7	437.4	437.4	439.1	439.1	440.8	439.1	440.8	439.1
20°	425.3	423.6	423.6	425.3	425.3	427.1	427.1	428.8	430.5	430.5	428.8
22.5°	415.0	411.6	413.3	413.3	415.0	415.0	416.7	418.4	418.4	420.2	418.4
25°	402.9	401.2	401.2	402.9	402.9	404.7	404.7	406.4	408.1	408.1	406.4
27.5°	390.9	389.2	387.4	389.2	390.9	392.6	392.6	394.3	396.1	396.1	394.3
30°	377.1	375.4	375.4	377.1	377.1	378.8	380.6	380.6	384.0	382.3	380.6
32.5°	365.1	363.3	361.6	363.3	365.1	365.1	366.8	368.5	368.5	368.5	366.8
35°	349.6	347.8	347.8	347.8	349.6	351.3	353.0	353.0	354.7	354.7	353.0
37.5°	335.8	334.1	332.3	334.1	335.8	337.5	337.5	339.2	339.2	341.0	339.2
40°	320.3	318.6	318.6	318.6	320.3	322.0	322.0	323.7	325.5	325.5	323.7
42.5°	304.8	303.1	303.1	303.1	304.8	306.5	306.5	308.2	310.0	308.2	308.2
45°	289.3	287.6	287.6	287.6	289.3	289.3	291.0	292.7	292.7	292.7	291.0
47.5°	270.4	272.1	272.1	272.1	272.1	273.8	273.8	275.5	275.5	277.2	275.5
50°	253.1	254.9	254.9	254.9	256.6	256.6	258.3	258.3	258.3	260.0	258.3
52.5°	237.6	237.6	237.6	239.4	239.4	239.4	241.1	242.8	242.8	242.8	241.1
55°	220.4	220.4	222.1	223.9	223.9	223.9	223.9	225.6	225.6	225.6	225.6
57.5°	203.2	203.2	204.9	206.6	206.6	206.6	206.6	208.4	208.4	208.4	206.6
60°	186.0	186.0	187.7	189.4	189.4	189.4	189.4	191.1	191.1	191.1	191.1
62.5°	168.8	168.8	170.5	172.2	172.2	172.2	172.2	173.9	173.9	173.9	173.9
65°	151.5	151.5	153.3	155.0	155.0	155.0	156.7	156.7	158.4	156.7	158.4
67.5°	134.3	136.0	136.0	137.8	137.8	137.8	139.5	139.5	141.2	141.2	141.2
70°	117.1	118.8	118.8	120.5	120.5	120.5	120.5	122.3	124.0	124.0	124.0
72.5°	99.9	99.9	101.6	103.3	103.3	103.3	105.0	105.0	106.8	106.8	106.8
75°	82.7	84.4	84.4	86.1	86.1	86.1	87.8	87.8	89.5	89.5	89.5
77.5°	65.4	67.2	68.9	70.6	68.9	70.6	70.6	72.3	72.3	72.3	74.0
80°	49.9	51.7	51.7	53.4	53.4	53.4	53.4	55.1	56.8	55.1	56.8
82.5°	34.4	34.4	36.2	37.9	37.9	37.9	37.9	39.6	39.6	39.6	41.3
85°	18.9	20.7	20.7	20.7	22.4	22.4	24.1	24.1	24.1	24.1	25.8
87.5°	5.2	5.2	6.9	8.6	8.6	8.6	8.6	10.3	10.3	10.3	12.1
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	6.9	6.9	8.6	8.6	10.3	10.3	13.8	15.5	13.8	10.3	13.8
95°	13.8	17.2	20.7	27.6	31.0	32.7	41.3	41.3	36.2	29.3	27.6
97.5°	27.6	34.4	43.0	58.5	65.4	74.0	82.7	79.2	65.4	53.4	49.9
100°	46.5	62.0	87.8	115.4	127.4	137.8	139.5	127.4	106.8	87.8	79.2
102.5°	86.1	122.3	170.5	213.5	218.7	223.9	213.5	189.4	158.4	130.9	113.7
105°	175.6	248.0	306.5	332.3	330.6	325.5	296.2	260.0	220.4	184.3	155.0
107.5°	361.6	430.5	466.7	454.6	439.1	423.6	378.8	337.5	287.6	242.8	211.8
110°	594.1	613.0	599.3	561.4	537.3	516.6	464.9	413.3	358.2	310.0	266.9



TEST NUMBER: P303214

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	761.1	735.3	694.0	645.7	621.6	595.8	542.4	492.5	428.8	378.8	330.6
115°	866.2	823.1	774.9	723.2	697.4	671.6	619.9	563.1	499.4	446.0	397.8
117.5°	940.2	892.0	845.5	795.6	768.0	742.2	688.8	632.0	568.3	520.0	468.4
120°	1003.9	959.2	909.2	859.3	833.4	809.3	754.2	697.4	635.4	587.2	533.8
122.5°	1060.8	1016.0	966.0	917.8	893.7	869.6	814.5	757.7	699.1	652.6	597.5
125°	1109.0	1067.6	1021.1	971.2	948.8	924.7	869.6	816.2	761.1	709.5	661.2
127.5°	1158.9	1117.6	1072.8	1024.6	1000.5	974.7	923.0	869.6	817.9	769.7	723.2
130°	1200.2	1158.9	1117.6	1071.1	1047.0	1022.9	972.9	921.3	873.1	831.7	781.8
132.5°	1239.8	1200.2	1158.9	1110.7	1088.3	1065.9	1021.1	972.9	929.9	885.1	838.6
135°	1276.0	1234.7	1195.1	1148.6	1126.2	1107.2	1062.5	1017.7	978.1	935.0	892.0
137.5°	1305.3	1267.4	1224.3	1181.3	1162.3	1145.1	1102.1	1060.8	1022.9	983.3	943.7
140°	1332.8	1293.2	1251.9	1212.3	1193.3	1177.8	1138.2	1102.1	1065.9	1031.5	991.9
142.5°	1358.7	1317.3	1276.0	1239.8	1224.3	1208.8	1174.4	1140.0	1105.5	1074.5	1036.6
145°	1377.6	1338.0	1298.4	1265.7	1253.6	1238.1	1203.7	1174.4	1143.4	1110.7	1078.0
147.5°	1396.5	1358.7	1322.5	1291.5	1279.4	1265.7	1234.7	1208.8	1179.6	1150.3	1117.6
150°	1412.0	1374.2	1343.2	1315.6	1303.6	1293.2	1262.2	1239.8	1212.3	1184.7	1157.2
152.5°	1420.6	1387.9	1358.7	1336.3	1325.9	1315.6	1289.8	1270.8	1243.3	1222.6	1193.3
155°	1425.8	1398.3	1372.4	1353.5	1344.9	1338.0	1312.2	1294.9	1272.6	1251.9	1226.1
157.5°	1431.0	1405.2	1382.8	1367.3	1360.4	1351.8	1329.4	1315.6	1296.7	1279.4	1255.3
160°	1432.7	1410.3	1391.4	1377.6	1372.4	1365.5	1346.6	1334.5	1317.3	1301.8	1279.4
162.5°	1432.7	1415.5	1398.3	1387.9	1382.8	1375.9	1360.4	1351.8	1336.3	1322.5	1303.6
165°	1432.7	1417.2	1401.7	1394.8	1389.7	1386.2	1372.4	1363.8	1350.0	1339.7	1324.2
167.5°	1429.3	1415.5	1405.2	1400.0	1396.5	1391.4	1381.0	1374.2	1363.8	1356.9	1341.4
170°	1422.4	1412.0	1401.7	1400.0	1398.3	1394.8	1386.2	1382.8	1375.9	1369.0	1356.9
172.5°	1415.5	1405.2	1398.3	1398.3	1396.5	1394.8	1387.9	1387.9	1382.8	1379.3	1367.3
175°	1401.7	1394.8	1389.7	1391.4	1391.4	1389.7	1386.2	1387.9	1386.2	1384.5	1377.6
177.5°	1387.9	1382.8	1381.0	1384.5	1384.5	1384.5	1382.8	1387.9	1387.9	1389.7	1382.8
180°	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2



TEST NUMBER: P303214

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8
2.5°	470.1	468.4	468.4	468.4	468.4	470.1	470.1	468.4	471.8	473.5	471.8
5°	468.4	466.7	466.7	466.7	468.4	468.4	468.4	468.4	470.1	471.8	470.1
7.5°	466.7	463.2	463.2	463.2	464.9	464.9	464.9	463.2	466.7	468.4	464.9
10°	459.8	458.1	458.1	458.1	459.8	459.8	459.8	458.1	459.8	461.5	459.8
12.5°	454.6	452.9	452.9	452.9	452.9	454.6	452.9	452.9	454.6	456.3	452.9
15°	446.0	442.6	442.6	442.6	444.3	444.3	444.3	442.6	447.7	446.0	444.3
17.5°	435.7	432.2	432.2	432.2	433.9	433.9	432.2	430.5	433.9	433.9	432.2
20°	425.3	421.9	421.9	421.9	423.6	423.6	423.6	421.9	423.6	423.6	421.9
22.5°	415.0	411.6	411.6	411.6	413.3	413.3	411.6	409.8	413.3	411.6	409.8
25°	402.9	401.2	401.2	401.2	401.2	401.2	399.5	397.8	401.2	399.5	397.8
27.5°	390.9	389.2	389.2	389.2	389.2	389.2	387.4	385.7	387.4	385.7	385.7
30°	378.8	375.4	375.4	377.1	377.1	375.4	373.7	373.7	375.4	373.7	372.0
32.5°	365.1	363.3	361.6	363.3	363.3	363.3	359.9	359.9	359.9	358.2	358.2
35°	351.3	349.6	347.8	349.6	349.6	347.8	346.1	346.1	346.1	344.4	342.7
37.5°	335.8	334.1	334.1	334.1	334.1	334.1	330.6	332.3	332.3	328.9	328.9
40°	320.3	318.6	318.6	320.3	320.3	318.6	316.8	318.6	316.8	315.1	313.4
42.5°	306.5	303.1	304.8	304.8	304.8	303.1	303.1	303.1	301.3	299.6	297.9
45°	289.3	287.6	289.3	289.3	289.3	287.6	287.6	285.9	285.9	284.1	282.4
47.5°	273.8	272.1	273.8	273.8	273.8	270.4	272.1	270.4	270.4	266.9	266.9
50°	256.6	256.6	258.3	256.6	256.6	254.9	254.9	253.1	253.1	251.4	249.7
52.5°	241.1	241.1	241.1	241.1	241.1	239.4	239.4	237.6	237.6	235.9	234.2
55°	223.9	223.9	225.6	225.6	223.9	222.1	222.1	222.1	220.4	218.7	217.0
57.5°	206.6	208.4	208.4	206.6	208.4	206.6	204.9	204.9	203.2	201.5	201.5
60°	191.1	191.1	191.1	191.1	191.1	189.4	189.4	189.4	186.0	184.3	184.3
62.5°	173.9	175.6	173.9	173.9	173.9	172.2	172.2	172.2	170.5	168.8	168.8
65°	158.4	158.4	158.4	156.7	156.7	156.7	156.7	155.0	153.3	151.5	151.5
67.5°	141.2	141.2	141.2	141.2	139.5	139.5	137.8	137.8	136.0	136.0	134.3
70°	124.0	124.0	124.0	124.0	122.3	122.3	122.3	120.5	118.8	118.8	118.8
72.5°	106.8	106.8	106.8	106.8	106.8	105.0	105.0	103.3	103.3	103.3	101.6
75°	89.5	89.5	89.5	89.5	89.5	87.8	87.8	86.1	86.1	86.1	84.4
77.5°	72.3	72.3	72.3	72.3	72.3	72.3	70.6	70.6	70.6	68.9	68.9
80°	56.8	56.8	55.1	56.8	55.1	55.1	55.1	55.1	53.4	53.4	51.7
82.5°	39.6	41.3	39.6	39.6	39.6	39.6	39.6	37.9	37.9	37.9	36.2
85°	25.8	25.8	25.8	24.1	24.1	24.1	22.4	22.4	20.7	22.4	20.7
87.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.6	10.3	8.6
90°	3.4	5.2	5.2	5.2	6.9	8.6	6.9	8.6	8.6	10.3	10.3
92.5°	20.7	24.1	24.1	24.1	25.8	27.6	25.8	27.6	27.6	27.6	25.8
95°	32.7	37.9	48.2	49.9	53.4	56.8	56.8	55.1	53.4	53.4	51.7
97.5°	46.5	55.1	56.8	60.3	63.7	74.0	79.2	84.4	87.8	87.8	86.1
100°	72.3	70.6	79.2	84.4	80.9	82.7	87.8	98.2	103.3	106.8	110.2
102.5°	103.3	94.7	94.7	98.2	103.3	111.9	105.0	108.5	111.9	117.1	125.7
105°	141.2	127.4	122.3	120.5	122.3	129.1	137.8	134.3	129.1	132.6	136.0
107.5°	186.0	168.8	153.3	149.8	149.8	149.8	156.7	165.3	170.5	165.3	156.7
110°	237.6	211.8	192.9	184.3	180.8	177.4	175.6	184.3	194.6	199.8	201.5



TEST NUMBER: P303214

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	294.5	261.7	237.6	229.0	218.7	208.4	204.9	206.6	210.1	222.1	227.3
115°	358.2	320.3	287.6	277.2	266.9	244.5	235.9	232.5	234.2	237.6	246.2
117.5°	421.9	384.0	344.4	328.9	316.8	292.7	270.4	263.5	260.0	261.7	263.5
120°	490.8	449.4	406.4	387.4	372.0	346.1	315.1	297.9	289.3	287.6	285.9
122.5°	554.5	514.9	477.0	452.9	432.2	399.5	368.5	344.4	328.9	316.8	313.4
125°	616.5	576.9	540.7	521.8	501.1	464.9	427.1	399.5	377.1	358.2	346.1
127.5°	676.7	638.9	601.0	583.8	566.5	526.9	490.8	463.2	433.9	409.8	390.9
130°	735.3	697.4	663.0	647.5	625.1	587.2	552.8	521.8	497.7	471.8	444.3
132.5°	793.8	757.7	725.0	707.7	688.8	649.2	614.8	585.5	556.2	533.8	511.4
135°	847.2	811.1	780.1	766.3	743.9	709.5	676.7	649.2	619.9	594.1	573.4
137.5°	898.9	864.4	833.4	819.7	800.7	768.0	737.0	711.2	680.2	654.4	635.4
140°	947.1	912.7	883.4	869.6	854.1	823.1	792.1	771.5	740.5	716.4	695.7
142.5°	995.3	962.6	933.3	921.3	905.8	876.5	847.2	830.0	802.5	780.1	757.7
145°	1038.4	1005.6	979.8	969.5	955.7	926.4	900.6	883.4	862.7	840.3	817.9
147.5°	1079.7	1048.7	1024.6	1016.0	1003.9	978.1	952.3	936.8	921.3	897.2	876.5
150°	1121.0	1088.3	1067.6	1059.0	1048.7	1026.3	1002.2	985.0	972.9	948.8	931.6
152.5°	1158.9	1131.4	1109.0	1098.6	1090.0	1071.1	1047.0	1029.8	1022.9	1002.2	983.3
155°	1193.3	1165.8	1148.6	1136.5	1131.4	1110.7	1091.7	1072.8	1069.4	1047.0	1033.2
157.5°	1222.6	1198.5	1179.6	1172.7	1165.8	1150.3	1131.4	1115.9	1112.4	1093.5	1078.0
160°	1251.9	1227.8	1214.0	1207.1	1200.2	1183.0	1167.5	1152.0	1152.0	1138.2	1124.5
162.5°	1276.0	1255.3	1243.3	1238.1	1233.0	1220.9	1203.7	1188.2	1188.2	1177.8	1165.8
165°	1298.4	1279.4	1269.1	1265.7	1258.8	1250.2	1238.1	1222.6	1224.3	1214.0	1203.7
167.5°	1320.8	1301.8	1293.2	1289.8	1286.3	1277.7	1267.4	1253.6	1255.3	1250.2	1238.1
170°	1338.0	1320.8	1313.9	1310.4	1308.7	1301.8	1294.9	1282.9	1284.6	1281.2	1270.8
172.5°	1350.0	1336.3	1332.8	1329.4	1329.4	1324.2	1319.1	1308.7	1310.4	1312.2	1300.1
175°	1360.4	1348.3	1346.6	1344.9	1344.9	1343.2	1339.7	1331.1	1334.5	1338.0	1327.7
177.5°	1369.0	1360.4	1360.4	1360.4	1360.4	1360.4	1358.7	1351.8	1355.2	1362.1	1351.8
180°	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2



TEST NUMBER: P303214

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	471.8	471.8	471.8	471.8	471.8	471.8	471.8	471.8
2.5°	471.8	471.8	471.8	471.8	471.8	468.4	466.7	464.9
5°	470.1	470.1	468.4	468.4	470.1	468.4	466.7	464.9
7.5°	464.9	464.9	464.9	464.9	466.7	464.9	463.2	464.9
10°	459.8	459.8	458.1	458.1	459.8	459.8	458.1	459.8
12.5°	452.9	452.9	451.2	452.9	452.9	452.9	452.9	452.9
15°	444.3	442.6	442.6	442.6	444.3	444.3	444.3	446.0
17.5°	432.2	432.2	430.5	432.2	433.9	432.2	430.5	430.5
20°	421.9	420.2	420.2	420.2	421.9	420.2	420.2	420.2
22.5°	409.8	408.1	408.1	408.1	409.8	408.1	406.4	406.4
25°	396.1	396.1	396.1	396.1	396.1	394.3	392.6	392.6
27.5°	384.0	384.0	382.3	384.0	382.3	380.6	378.8	378.8
30°	370.2	370.2	368.5	370.2	368.5	366.8	365.1	365.1
32.5°	356.5	354.7	354.7	356.5	354.7	353.0	351.3	351.3
35°	341.0	341.0	341.0	341.0	339.2	337.5	335.8	334.1
37.5°	327.2	325.5	325.5	325.5	323.7	322.0	322.0	322.0
40°	311.7	310.0	310.0	311.7	308.2	306.5	306.5	306.5
42.5°	296.2	296.2	294.5	294.5	292.7	291.0	289.3	289.3
45°	279.0	280.7	279.0	279.0	277.2	275.5	273.8	275.5
47.5°	263.5	263.5	263.5	263.5	261.7	260.0	258.3	260.0
50°	248.0	248.0	248.0	248.0	244.5	244.5	242.8	242.8
52.5°	232.5	232.5	230.7	230.7	229.0	229.0	227.3	227.3
55°	215.2	215.2	215.2	215.2	213.5	211.8	211.8	211.8
57.5°	199.8	199.8	198.0	198.0	196.3	196.3	194.6	196.3
60°	182.5	182.5	182.5	182.5	180.8	180.8	179.1	179.1
62.5°	167.0	165.3	165.3	165.3	163.6	163.6	163.6	163.6
65°	149.8	149.8	148.1	149.8	148.1	148.1	146.4	146.4
67.5°	134.3	132.6	132.6	132.6	132.6	130.9	130.9	130.9
70°	117.1	115.4	115.4	115.4	115.4	115.4	113.7	115.4
72.5°	99.9	99.9	99.9	99.9	98.2	98.2	98.2	98.2
75°	84.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7
77.5°	68.9	67.2	67.2	67.2	67.2	65.4	65.4	65.4
80°	51.7	51.7	51.7	49.9	49.9	49.9	49.9	49.9
82.5°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	32.7
85°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
87.5°	8.6	8.6	8.6	8.6	10.3	10.3	10.3	10.3
90°	10.3	10.3	12.1	12.1	12.1	12.1	13.8	13.8
92.5°	27.6	27.6	29.3	29.3	27.6	27.6	29.3	29.3
95°	53.4	53.4	53.4	53.4	51.7	51.7	53.4	53.4
97.5°	86.1	84.4	86.1	84.4	82.7	82.7	82.7	80.9
100°	113.7	113.7	115.4	115.4	115.4	115.4	117.1	115.4
102.5°	129.1	130.9	132.6	132.6	134.3	136.0	136.0	136.0
105°	139.5	141.2	144.6	146.4	151.5	153.3	155.0	155.0
107.5°	160.1	160.1	161.9	163.6	163.6	165.3	167.0	167.0
110°	198.0	191.1	189.4	189.4	186.0	186.0	187.7	189.4



TEST NUMBER: P303214

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	232.5	234.2	234.2	235.9	229.0	225.6	227.3	227.3
115°	254.9	258.3	258.3	261.7	261.7	263.5	266.9	266.9
117.5°	270.4	275.5	277.2	279.0	284.1	285.9	289.3	289.3
120°	289.3	292.7	294.5	296.2	297.9	299.6	301.3	303.1
122.5°	313.4	311.7	313.4	313.4	315.1	316.8	316.8	318.6
125°	341.0	339.2	337.5	339.2	335.8	334.1	334.1	335.8
127.5°	378.8	372.0	368.5	365.1	363.3	361.6	359.9	358.2
130°	427.1	416.7	409.8	408.1	399.5	394.3	390.9	392.6
132.5°	490.8	475.3	468.4	464.9	449.4	440.8	437.4	437.4
135°	554.5	537.3	530.4	521.8	511.4	502.8	494.2	494.2
137.5°	614.8	602.7	594.1	585.5	575.1	566.5	557.9	556.2
140°	675.0	661.2	652.6	645.7	637.1	628.5	619.9	625.1
142.5°	737.0	721.5	712.9	711.2	699.1	690.5	685.4	687.1
145°	797.3	781.8	774.9	771.5	761.1	750.8	745.6	742.2
147.5°	857.6	843.8	836.9	833.4	823.1	812.8	807.6	805.9
150°	914.4	902.3	895.4	890.3	883.4	874.8	864.4	864.4
152.5°	969.5	957.4	948.8	948.8	941.9	931.6	921.3	926.4
155°	1019.4	1009.1	1003.9	1002.2	995.3	986.7	978.1	981.5
157.5°	1067.6	1055.6	1052.1	1048.7	1045.3	1038.4	1029.8	1033.2
160°	1114.1	1103.8	1100.4	1096.9	1093.5	1086.6	1078.0	1079.7
162.5°	1158.9	1152.0	1145.1	1143.4	1141.7	1133.1	1124.5	1126.2
165°	1196.8	1189.9	1184.7	1183.0	1183.0	1176.1	1167.5	1169.2
167.5°	1233.0	1224.3	1220.9	1217.5	1219.2	1214.0	1207.1	1210.6
170°	1265.7	1260.5	1257.1	1255.3	1257.1	1250.2	1245.0	1246.7
172.5°	1296.7	1293.2	1289.8	1288.1	1291.5	1286.3	1279.4	1281.2
175°	1324.2	1320.8	1319.1	1317.3	1319.1	1312.2	1308.7	1310.4
177.5°	1350.0	1348.3	1346.6	1344.9	1348.3	1339.7	1332.8	1336.3
180°	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2	1374.2

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