

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: P303215

Luminaire Tested: **CTW-F-7525-30L940-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303215  
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-7525-30L940-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5378.7 lumens  
Efficiency: N/A  
Efficacy: 126.6 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

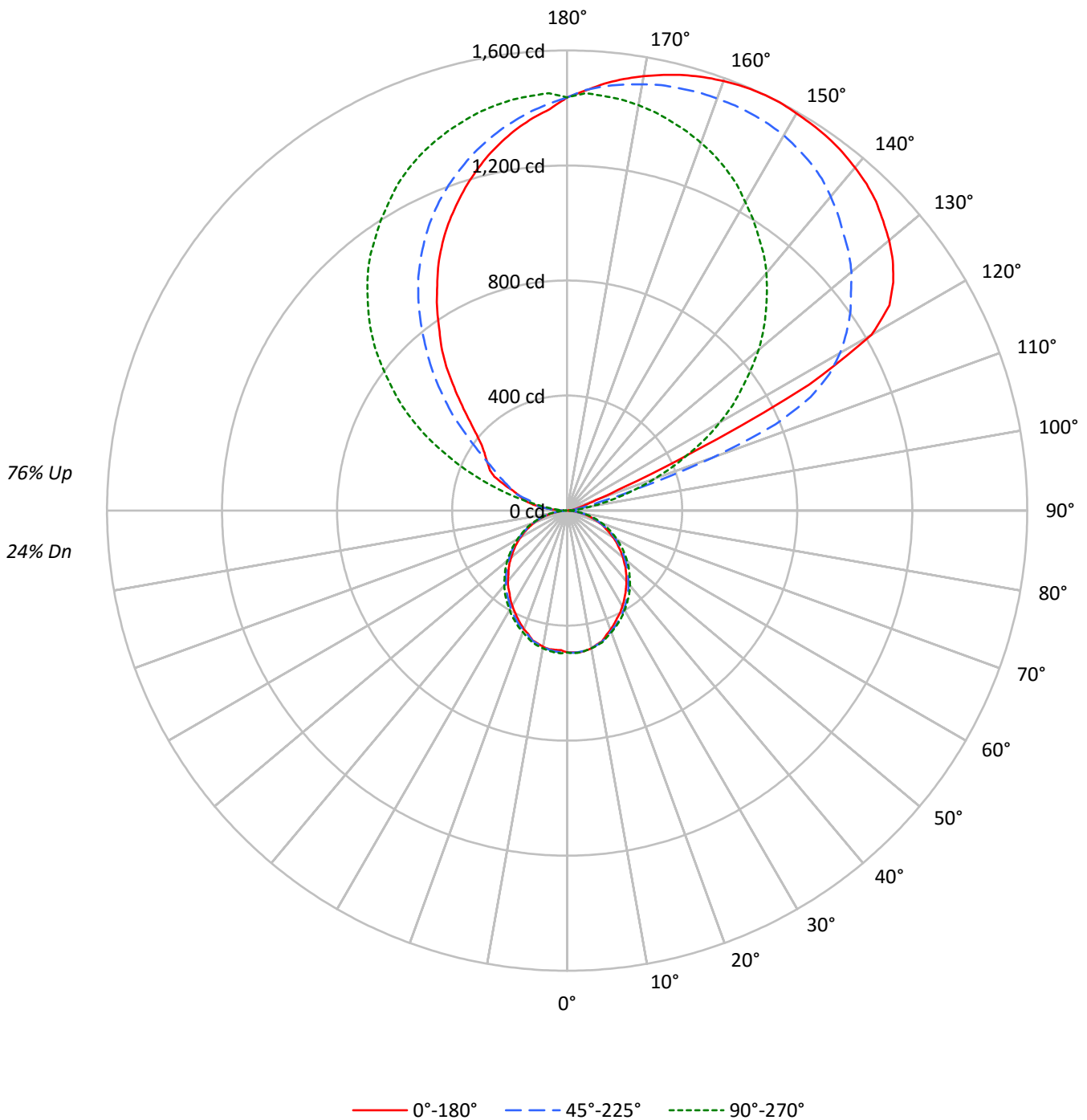
Input Watts (W): 42.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5309	5309	5309
5°	5348	5348	5251
10°	5312	5312	5253
15°	5235	5275	5195
20°	5052	5155	5031
25°	4896	5067	4874
30°	4765	4967	4743
35°	4636	4872	4589
40°	4502	4780	4502
45°	4384	4658	4384
50°	4250	4551	4250
55°	4087	4425	4155
60°	3953	4301	4030
65°	3759	4172	3897
70°	3569	4079	3795
75°	3369	3893	3593
80°	2901	3570	3236
85°	1778	3112	2668



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.6	0.9
10°-20°	131.3	2.4
20°-30°	192.7	3.6
30°-40°	225.9	4.2
40°-50°	228.9	4.3
50°-60°	204.1	3.8
60°-70°	156.6	2.9
70°-80°	92.9	1.7
80°-90°	26.1	0.5
90°-100°	42.6	0.8
100°-110°	176.8	3.3
110°-120°	497.0	9.2
120°-130°	717.9	13.3
130°-140°	772.0	14.4
140°-150°	734.3	13.7
150°-160°	602.8	11.2
160°-170°	393.6	7.3
170°-180°	136.4	2.5
0°-30°	370.6	6.9
0°-40°	596.5	11.1
0°-60°	1029.6	19.1
0°-90°	1305.2	24.3
90°-120°	716.4	13.3
90°-150°	2940.6	54.7
90°-180°	4073.0	75.7
0°-180°	5378.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	493	493	493	493	493	
5°	495	493	495	491	486	47
15°	470	472	473	468	466	131
25°	412	423	427	419	410	190
35°	353	365	371	362	349	221
45°	288	297	306	299	288	222
55°	218	227	236	230	221	195
65°	148	157	164	160	153	147
75°	81	86	94	90	86	85
85°	14	18	25	22	22	18
90°	4	2	2	9	14	2
95°	11	13	31	56	56	12
105°	49	124	193	135	162	58
115°	484	934	466	245	279	565
125°	1384	1202	742	394	351	1228
135°	1519	1359	977	648	517	1172
145°	1582	1476	1161	902	776	992
155°	1600	1521	1309	1118	1026	739
165°	1568	1519	1400	1280	1222	445
175°	1490	1481	1447	1395	1370	143
180°	1436	1436	1436	1436	1436	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2
2.5°	493.2	491.4	493.2	493.2	495.0	495.0	495.0	493.2	495.0	496.8	495.0
5°	495.0	495.0	493.2	493.2	493.2	493.2	493.2	491.4	493.2	495.0	493.2
7.5°	491.4	491.4	491.4	489.6	489.6	489.6	489.6	489.6	489.6	491.4	491.4
10°	486.0	486.0	484.2	482.4	484.2	484.2	484.2	482.4	484.2	486.0	486.0
12.5°	477.0	478.8	477.0	477.0	477.0	477.0	477.0	477.0	478.8	480.6	478.8
15°	469.8	469.8	469.8	468.0	468.0	468.0	468.0	466.2	469.8	471.6	471.6
17.5°	453.6	453.6	453.6	455.4	457.2	457.2	457.2	455.4	455.4	460.8	459.0
20°	441.0	441.0	441.0	441.0	442.8	442.8	442.8	442.8	442.8	446.4	446.4
22.5°	426.6	428.4	428.4	428.4	430.2	430.2	430.2	430.2	430.2	433.8	435.6
25°	412.2	414.0	414.0	415.8	415.8	415.8	415.8	417.6	417.6	421.2	423.0
27.5°	399.6	399.6	399.6	401.4	401.4	403.2	403.2	405.0	405.0	406.8	410.4
30°	383.4	383.4	385.2	385.2	387.0	388.8	388.8	390.6	390.6	392.4	396.0
32.5°	369.0	369.0	369.0	370.8	372.6	372.6	372.6	374.4	374.4	376.2	379.8
35°	352.8	352.8	352.8	354.6	354.6	356.4	356.4	358.2	360.0	361.8	365.4
37.5°	336.6	336.6	336.6	338.4	338.4	340.2	342.0	343.8	343.8	345.6	349.2
40°	320.4	320.4	320.4	322.2	324.0	324.0	324.0	325.8	327.6	329.4	331.2
42.5°	304.2	302.4	304.2	304.2	306.0	307.8	307.8	309.6	311.4	313.2	315.0
45°	288.0	286.2	288.0	288.0	289.8	289.8	289.8	293.4	293.4	295.2	297.0
47.5°	270.0	270.0	270.0	270.0	273.6	271.8	273.6	275.4	277.2	279.0	280.8
50°	253.8	252.0	253.8	253.8	255.6	255.6	255.6	257.4	259.2	261.0	262.8
52.5°	235.8	235.8	235.8	235.8	237.6	239.4	239.4	241.2	241.2	243.0	244.8
55°	217.8	217.8	219.6	219.6	221.4	221.4	221.4	223.2	223.2	226.8	226.8
57.5°	201.6	201.6	201.6	201.6	203.4	203.4	205.2	205.2	205.2	208.8	210.6
60°	183.6	183.6	185.4	183.6	187.2	185.4	187.2	187.2	189.0	190.8	192.6
62.5°	165.6	167.4	167.4	167.4	167.4	169.2	169.2	171.0	171.0	172.8	174.6
65°	147.6	147.6	149.4	149.4	151.2	151.2	151.2	153.0	153.0	154.8	156.6
67.5°	133.2	133.2	131.4	131.4	133.2	133.2	135.0	135.0	135.0	136.8	136.8
70°	113.4	115.2	115.2	115.2	115.2	117.0	117.0	117.0	118.8	118.8	120.6
72.5°	97.2	97.2	97.2	97.2	97.2	99.0	99.0	99.0	100.8	100.8	102.6
75°	81.0	79.2	81.0	79.2	81.0	81.0	81.0	82.8	82.8	82.8	86.4
77.5°	63.0	63.0	63.0	63.0	63.0	63.0	64.8	64.8	66.6	68.4	68.4
80°	46.8	45.0	46.8	46.8	46.8	46.8	46.8	46.8	48.6	50.4	50.4
82.5°	28.8	28.8	28.8	28.8	30.6	30.6	30.6	30.6	32.4	34.2	34.2
85°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	16.2	16.2	18.0	18.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	1.8
92.5°	5.4	5.4	5.4	5.4	5.4	7.2	7.2	5.4	7.2	7.2	7.2
95°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	12.6	12.6	12.6	12.6
97.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	19.8	19.8	21.6	23.4
100°	25.2	25.2	25.2	25.2	25.2	27.0	27.0	28.8	30.6	34.2	39.6
102.5°	36.0	36.0	36.0	36.0	37.8	39.6	39.6	41.4	46.8	54.0	66.6
105°	48.6	48.6	50.4	50.4	52.2	54.0	55.8	63.0	73.8	91.8	124.2
107.5°	68.4	68.4	70.2	73.8	77.4	81.0	88.2	106.2	138.6	189.0	270.0
110°	106.2	106.2	109.8	122.4	135.0	144.0	165.6	219.6	309.6	419.4	536.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	210.6	214.2	225.0	259.2	304.2	333.0	394.2	513.0	622.8	732.6	784.8
115°	484.2	536.4	550.8	615.6	698.4	738.0	781.2	862.2	921.6	948.6	934.2
117.5°	948.6	991.8	990.0	1038.6	1060.2	1072.8	1083.6	1094.4	1072.8	1062.0	1027.8
120°	1222.2	1233.0	1218.6	1220.4	1216.8	1211.4	1206.0	1188.0	1162.8	1134.0	1096.2
122.5°	1328.4	1324.8	1317.6	1308.6	1294.2	1283.4	1274.4	1251.0	1224.0	1191.6	1152.0
125°	1384.2	1380.6	1373.4	1360.8	1344.6	1335.6	1324.8	1301.4	1272.6	1240.2	1202.4
127.5°	1427.4	1422.0	1414.8	1402.2	1387.8	1377.0	1369.8	1344.6	1315.8	1285.2	1243.8
130°	1461.6	1458.0	1449.0	1440.0	1423.8	1414.8	1405.8	1384.2	1351.8	1323.0	1290.6
132.5°	1490.4	1488.6	1481.4	1472.4	1456.2	1447.2	1440.0	1418.4	1387.8	1357.2	1328.4
135°	1519.2	1515.6	1508.4	1499.4	1483.2	1476.0	1467.0	1449.0	1418.4	1387.8	1359.0
137.5°	1540.8	1535.4	1530.0	1522.8	1506.6	1501.2	1492.2	1472.4	1445.4	1420.2	1395.0
140°	1557.0	1551.6	1546.2	1540.8	1526.4	1521.0	1513.8	1494.0	1467.0	1445.4	1425.6
142.5°	1571.4	1566.0	1562.4	1557.0	1544.4	1539.0	1533.6	1513.8	1490.4	1470.6	1454.4
145°	1582.2	1576.8	1575.0	1569.6	1558.8	1553.4	1548.0	1528.2	1506.6	1486.8	1476.0
147.5°	1589.4	1587.6	1584.0	1578.6	1569.6	1566.0	1560.6	1542.6	1519.2	1504.8	1492.2
150°	1594.8	1594.8	1591.2	1587.6	1578.6	1575.0	1569.6	1551.6	1533.6	1521.0	1506.6
152.5°	1600.2	1600.2	1596.6	1591.2	1584.0	1580.4	1573.2	1557.0	1540.8	1531.8	1515.6
155°	1600.2	1602.0	1598.4	1591.2	1585.8	1580.4	1575.0	1558.8	1544.4	1537.2	1521.0
157.5°	1596.6	1598.4	1593.0	1587.6	1582.2	1578.6	1571.4	1557.0	1546.2	1540.8	1524.6
160°	1589.4	1591.2	1587.6	1582.2	1576.8	1575.0	1567.8	1555.2	1546.2	1540.8	1524.6
162.5°	1580.4	1582.2	1580.4	1575.0	1571.4	1569.6	1562.4	1551.6	1542.6	1539.0	1524.6
165°	1567.8	1569.6	1567.8	1562.4	1560.6	1557.0	1551.6	1540.8	1533.6	1533.6	1519.2
167.5°	1551.6	1553.4	1551.6	1542.6	1542.6	1539.0	1537.2	1528.2	1524.6	1526.4	1515.6
170°	1533.6	1535.4	1531.8	1526.4	1528.2	1524.6	1522.8	1517.4	1513.8	1515.6	1504.8
172.5°	1513.8	1515.6	1513.8	1508.4	1510.2	1508.4	1506.6	1499.4	1497.6	1503.0	1494.0
175°	1490.4	1490.4	1490.4	1485.0	1488.6	1486.8	1485.0	1481.4	1481.4	1486.8	1481.4
177.5°	1461.6	1461.6	1463.4	1461.6	1465.2	1463.4	1463.4	1461.6	1461.6	1468.8	1463.4
180°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2
2.5°	491.4	489.6	489.6	491.4	491.4	491.4	493.2	495.0	495.0	496.8	495.0
5°	491.4	489.6	487.8	489.6	491.4	491.4	491.4	493.2	493.2	495.0	493.2
7.5°	487.8	486.0	486.0	487.8	487.8	487.8	487.8	489.6	489.6	491.4	489.6
10°	482.4	480.6	480.6	480.6	482.4	482.4	484.2	486.0	486.0	486.0	484.2
12.5°	477.0	475.2	475.2	475.2	477.0	477.0	477.0	478.8	480.6	480.6	478.8
15°	466.2	464.4	464.4	466.2	468.0	468.0	469.8	471.6	473.4	473.4	471.6
17.5°	457.2	455.4	455.4	457.2	457.2	459.0	459.0	460.8	459.0	460.8	459.0
20°	444.6	442.8	442.8	444.6	444.6	446.4	446.4	448.2	450.0	450.0	448.2
22.5°	433.8	430.2	432.0	432.0	433.8	433.8	435.6	437.4	437.4	439.2	437.4
25°	421.2	419.4	419.4	421.2	421.2	423.0	423.0	424.8	426.6	426.6	424.8
27.5°	408.6	406.8	405.0	406.8	408.6	410.4	410.4	412.2	414.0	414.0	412.2
30°	394.2	392.4	392.4	394.2	394.2	396.0	397.8	397.8	401.4	399.6	397.8
32.5°	381.6	379.8	378.0	379.8	381.6	381.6	383.4	385.2	385.2	385.2	383.4
35°	365.4	363.6	363.6	363.6	365.4	367.2	369.0	369.0	370.8	370.8	369.0
37.5°	351.0	349.2	347.4	349.2	351.0	352.8	352.8	354.6	354.6	356.4	354.6
40°	334.8	333.0	333.0	333.0	334.8	336.6	336.6	338.4	340.2	340.2	338.4
42.5°	318.6	316.8	316.8	316.8	318.6	320.4	320.4	322.2	324.0	322.2	322.2
45°	302.4	300.6	300.6	300.6	302.4	302.4	304.2	306.0	306.0	306.0	304.2
47.5°	282.6	284.4	284.4	284.4	284.4	286.2	286.2	288.0	288.0	289.8	288.0
50°	264.6	266.4	266.4	266.4	268.2	268.2	270.0	270.0	270.0	271.8	270.0
52.5°	248.4	248.4	248.4	250.2	250.2	250.2	252.0	253.8	253.8	253.8	252.0
55°	230.4	230.4	232.2	234.0	234.0	234.0	234.0	235.8	235.8	235.8	235.8
57.5°	212.4	212.4	214.2	216.0	216.0	216.0	216.0	217.8	217.8	217.8	216.0
60°	194.4	194.4	196.2	198.0	198.0	198.0	198.0	199.8	199.8	199.8	199.8
62.5°	176.4	176.4	178.2	180.0	180.0	180.0	180.0	181.8	181.8	181.8	181.8
65°	158.4	158.4	160.2	162.0	162.0	162.0	163.8	163.8	165.6	163.8	165.6
67.5°	140.4	142.2	142.2	144.0	144.0	144.0	145.8	145.8	147.6	147.6	147.6
70°	122.4	124.2	124.2	126.0	126.0	126.0	126.0	127.8	129.6	129.6	129.6
72.5°	104.4	104.4	106.2	108.0	108.0	108.0	109.8	109.8	111.6	111.6	111.6
75°	86.4	88.2	88.2	90.0	90.0	90.0	91.8	91.8	93.6	93.6	93.6
77.5°	68.4	70.2	72.0	73.8	72.0	73.8	73.8	75.6	75.6	75.6	77.4
80°	52.2	54.0	54.0	55.8	55.8	55.8	55.8	57.6	59.4	57.6	59.4
82.5°	36.0	36.0	37.8	39.6	39.6	39.6	39.6	41.4	41.4	41.4	43.2
85°	19.8	21.6	21.6	21.6	23.4	23.4	25.2	25.2	25.2	25.2	27.0
87.5°	5.4	5.4	7.2	9.0	9.0	9.0	9.0	10.8	10.8	10.8	12.6
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°	7.2	7.2	9.0	9.0	10.8	10.8	14.4	16.2	14.4	10.8	14.4
95°	14.4	18.0	21.6	28.8	32.4	34.2	43.2	43.2	37.8	30.6	28.8
97.5°	28.8	36.0	45.0	61.2	68.4	77.4	86.4	82.8	68.4	55.8	52.2
100°	48.6	64.8	91.8	120.6	133.2	144.0	145.8	133.2	111.6	91.8	82.8
102.5°	90.0	127.8	178.2	223.2	228.6	234.0	223.2	198.0	165.6	136.8	118.8
105°	183.6	259.2	320.4	347.4	345.6	340.2	309.6	271.8	230.4	192.6	162.0
107.5°	378.0	450.0	487.8	475.2	459.0	442.8	396.0	352.8	300.6	253.8	221.4
110°	621.0	640.8	626.4	586.8	561.6	540.0	486.0	432.0	374.4	324.0	279.0





TEST NUMBER: P303215

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	795.6	768.6	725.4	675.0	649.8	622.8	567.0	514.8	448.2	396.0	345.6
115°	905.4	860.4	810.0	756.0	729.0	702.0	648.0	588.6	522.0	466.2	415.8
117.5°	982.8	932.4	883.8	831.6	802.8	775.8	720.0	660.6	594.0	543.6	489.6
120°	1049.4	1002.6	950.4	898.2	871.2	846.0	788.4	729.0	664.2	613.8	558.0
122.5°	1108.8	1062.0	1009.8	959.4	934.2	909.0	851.4	792.0	730.8	682.2	624.6
125°	1159.2	1116.0	1067.4	1015.2	991.8	966.6	909.0	853.2	795.6	741.6	691.2
127.5°	1211.4	1168.2	1121.4	1071.0	1045.8	1018.8	964.8	909.0	855.0	804.6	756.0
130°	1254.6	1211.4	1168.2	1119.6	1094.4	1069.2	1017.0	963.0	912.6	869.4	817.2
132.5°	1296.0	1254.6	1211.4	1161.0	1137.6	1114.2	1067.4	1017.0	972.0	925.2	876.6
135°	1333.8	1290.6	1249.2	1200.6	1177.2	1157.4	1110.6	1063.8	1022.4	977.4	932.4
137.5°	1364.4	1324.8	1279.8	1234.8	1215.0	1197.0	1152.0	1108.8	1069.2	1027.8	986.4
140°	1393.2	1351.8	1308.6	1267.2	1247.4	1231.2	1189.8	1152.0	1114.2	1078.2	1036.8
142.5°	1420.2	1377.0	1333.8	1296.0	1279.8	1263.6	1227.6	1191.6	1155.6	1123.2	1083.6
145°	1440.0	1398.6	1357.2	1323.0	1310.4	1294.2	1258.2	1227.6	1195.2	1161.0	1126.8
147.5°	1459.8	1420.2	1382.4	1350.0	1337.4	1323.0	1290.6	1263.6	1233.0	1202.4	1168.2
150°	1476.0	1436.4	1404.0	1375.2	1362.6	1351.8	1319.4	1296.0	1267.2	1238.4	1209.6
152.5°	1485.0	1450.8	1420.2	1396.8	1386.0	1375.2	1348.2	1328.4	1299.6	1278.0	1247.4
155°	1490.4	1461.6	1434.6	1414.8	1405.8	1398.6	1371.6	1353.6	1330.2	1308.6	1281.6
157.5°	1495.8	1468.8	1445.4	1429.2	1422.0	1413.0	1389.6	1375.2	1355.4	1337.4	1312.2
160°	1497.6	1474.2	1454.4	1440.0	1434.6	1427.4	1407.6	1395.0	1377.0	1360.8	1337.4
162.5°	1497.6	1479.6	1461.6	1450.8	1445.4	1438.2	1422.0	1413.0	1396.8	1382.4	1362.6
165°	1497.6	1481.4	1465.2	1458.0	1452.6	1449.0	1434.6	1425.6	1411.2	1400.4	1384.2
167.5°	1494.0	1479.6	1468.8	1463.4	1459.8	1454.4	1443.6	1436.4	1425.6	1418.4	1402.2
170°	1486.8	1476.0	1465.2	1463.4	1461.6	1458.0	1449.0	1445.4	1438.2	1431.0	1418.4
172.5°	1479.6	1468.8	1461.6	1461.6	1459.8	1458.0	1450.8	1450.8	1445.4	1441.8	1429.2
175°	1465.2	1458.0	1452.6	1454.4	1454.4	1452.6	1449.0	1450.8	1449.0	1447.2	1440.0
177.5°	1450.8	1445.4	1443.6	1447.2	1447.2	1447.2	1445.4	1450.8	1450.8	1452.6	1445.4
180°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4



TEST NUMBER: P303215

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2
2.5°	491.4	489.6	489.6	489.6	489.6	491.4	491.4	489.6	493.2	495.0	493.2
5°	489.6	487.8	487.8	487.8	489.6	489.6	489.6	489.6	491.4	493.2	491.4
7.5°	487.8	484.2	484.2	484.2	486.0	486.0	486.0	484.2	487.8	489.6	486.0
10°	480.6	478.8	478.8	478.8	480.6	480.6	480.6	478.8	480.6	482.4	480.6
12.5°	475.2	473.4	473.4	473.4	473.4	475.2	473.4	473.4	475.2	477.0	473.4
15°	466.2	462.6	462.6	462.6	464.4	464.4	464.4	462.6	468.0	466.2	464.4
17.5°	455.4	451.8	451.8	451.8	453.6	453.6	451.8	450.0	453.6	453.6	451.8
20°	444.6	441.0	441.0	441.0	442.8	442.8	442.8	441.0	442.8	442.8	441.0
22.5°	433.8	430.2	430.2	430.2	432.0	432.0	430.2	428.4	432.0	430.2	428.4
25°	421.2	419.4	419.4	419.4	419.4	419.4	417.6	415.8	419.4	417.6	415.8
27.5°	408.6	406.8	406.8	406.8	406.8	406.8	405.0	403.2	405.0	403.2	403.2
30°	396.0	392.4	392.4	394.2	394.2	392.4	390.6	390.6	392.4	390.6	388.8
32.5°	381.6	379.8	378.0	379.8	379.8	379.8	376.2	376.2	376.2	374.4	374.4
35°	367.2	365.4	363.6	365.4	365.4	363.6	361.8	361.8	361.8	360.0	358.2
37.5°	351.0	349.2	349.2	349.2	349.2	349.2	345.6	347.4	347.4	343.8	343.8
40°	334.8	333.0	333.0	334.8	334.8	333.0	331.2	333.0	331.2	329.4	327.6
42.5°	320.4	316.8	318.6	318.6	318.6	316.8	316.8	316.8	315.0	313.2	311.4
45°	302.4	300.6	302.4	302.4	302.4	300.6	300.6	298.8	298.8	297.0	295.2
47.5°	286.2	284.4	286.2	286.2	286.2	282.6	284.4	282.6	282.6	279.0	279.0
50°	268.2	268.2	270.0	268.2	268.2	266.4	266.4	264.6	264.6	262.8	261.0
52.5°	252.0	252.0	252.0	252.0	252.0	250.2	250.2	248.4	248.4	246.6	244.8
55°	234.0	234.0	235.8	235.8	234.0	232.2	232.2	232.2	230.4	228.6	226.8
57.5°	216.0	217.8	217.8	216.0	217.8	216.0	214.2	214.2	212.4	210.6	210.6
60°	199.8	199.8	199.8	199.8	199.8	198.0	198.0	198.0	194.4	192.6	192.6
62.5°	181.8	183.6	181.8	181.8	181.8	180.0	180.0	180.0	178.2	176.4	176.4
65°	165.6	165.6	165.6	163.8	163.8	163.8	163.8	162.0	160.2	158.4	158.4
67.5°	147.6	147.6	147.6	147.6	145.8	145.8	144.0	144.0	142.2	142.2	140.4
70°	129.6	129.6	129.6	129.6	127.8	127.8	127.8	126.0	124.2	124.2	124.2
72.5°	111.6	111.6	111.6	111.6	111.6	109.8	109.8	108.0	108.0	108.0	106.2
75°	93.6	93.6	93.6	93.6	93.6	91.8	91.8	90.0	90.0	90.0	88.2
77.5°	75.6	75.6	75.6	75.6	75.6	75.6	73.8	73.8	73.8	72.0	72.0
80°	59.4	59.4	57.6	59.4	57.6	57.6	57.6	57.6	55.8	55.8	54.0
82.5°	41.4	43.2	41.4	41.4	41.4	41.4	41.4	39.6	39.6	39.6	37.8
85°	27.0	27.0	27.0	25.2	25.2	25.2	23.4	23.4	21.6	23.4	21.6
87.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.0	10.8	9.0
90°	3.6	5.4	5.4	5.4	7.2	9.0	7.2	9.0	9.0	10.8	10.8
92.5°	21.6	25.2	25.2	25.2	27.0	28.8	27.0	28.8	28.8	28.8	27.0
95°	34.2	39.6	50.4	52.2	55.8	59.4	59.4	57.6	55.8	55.8	54.0
97.5°	48.6	57.6	59.4	63.0	66.6	77.4	82.8	88.2	91.8	91.8	90.0
100°	75.6	73.8	82.8	88.2	84.6	86.4	91.8	102.6	108.0	111.6	115.2
102.5°	108.0	99.0	99.0	102.6	108.0	117.0	109.8	113.4	117.0	122.4	131.4
105°	147.6	133.2	127.8	126.0	127.8	135.0	144.0	140.4	135.0	138.6	142.2
107.5°	194.4	176.4	160.2	156.6	156.6	156.6	163.8	172.8	178.2	172.8	163.8
110°	248.4	221.4	201.6	192.6	189.0	185.4	183.6	192.6	203.4	208.8	210.6



TEST NUMBER: P303215

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	307.8	273.6	248.4	239.4	228.6	217.8	214.2	216.0	219.6	232.2	237.6
115°	374.4	334.8	300.6	289.8	279.0	255.6	246.6	243.0	244.8	248.4	257.4
117.5°	441.0	401.4	360.0	343.8	331.2	306.0	282.6	275.4	271.8	273.6	275.4
120°	513.0	469.8	424.8	405.0	388.8	361.8	329.4	311.4	302.4	300.6	298.8
122.5°	579.6	538.2	498.6	473.4	451.8	417.6	385.2	360.0	343.8	331.2	327.6
125°	644.4	603.0	565.2	545.4	523.8	486.0	446.4	417.6	394.2	374.4	361.8
127.5°	707.4	667.8	628.2	610.2	592.2	550.8	513.0	484.2	453.6	428.4	408.6
130°	768.6	729.0	693.0	676.8	653.4	613.8	577.8	545.4	520.2	493.2	464.4
132.5°	829.8	792.0	757.8	739.8	720.0	678.6	642.6	612.0	581.4	558.0	534.6
135°	885.6	847.8	815.4	801.0	777.6	741.6	707.4	678.6	648.0	621.0	599.4
137.5°	939.6	903.6	871.2	856.8	837.0	802.8	770.4	743.4	711.0	684.0	664.2
140°	990.0	954.0	923.4	909.0	892.8	860.4	828.0	806.4	774.0	748.8	727.2
142.5°	1040.4	1006.2	975.6	963.0	946.8	916.2	885.6	867.6	838.8	815.4	792.0
145°	1085.4	1051.2	1024.2	1013.4	999.0	968.4	941.4	923.4	901.8	878.4	855.0
147.5°	1128.6	1096.2	1071.0	1062.0	1049.4	1022.4	995.4	979.2	963.0	937.8	916.2
150°	1171.8	1137.6	1116.0	1107.0	1096.2	1072.8	1047.6	1029.6	1017.0	991.8	973.8
152.5°	1211.4	1182.6	1159.2	1148.4	1139.4	1119.6	1094.4	1076.4	1069.2	1047.6	1027.8
155°	1247.4	1218.6	1200.6	1188.0	1182.6	1161.0	1141.2	1121.4	1117.8	1094.4	1080.0
157.5°	1278.0	1252.8	1233.0	1225.8	1218.6	1202.4	1182.6	1166.4	1162.8	1143.0	1126.8
160°	1308.6	1283.4	1269.0	1261.8	1254.6	1236.6	1220.4	1204.2	1204.2	1189.8	1175.4
162.5°	1333.8	1312.2	1299.6	1294.2	1288.8	1276.2	1258.2	1242.0	1242.0	1231.2	1218.6
165°	1357.2	1337.4	1326.6	1323.0	1315.8	1306.8	1294.2	1278.0	1279.8	1269.0	1258.2
167.5°	1380.6	1360.8	1351.8	1348.2	1344.6	1335.6	1324.8	1310.4	1312.2	1306.8	1294.2
170°	1398.6	1380.6	1373.4	1369.8	1368.0	1360.8	1353.6	1341.0	1342.8	1339.2	1328.4
172.5°	1411.2	1396.8	1393.2	1389.6	1389.6	1384.2	1378.8	1368.0	1369.8	1371.6	1359.0
175°	1422.0	1409.4	1407.6	1405.8	1405.8	1404.0	1400.4	1391.4	1395.0	1398.6	1387.8
177.5°	1431.0	1422.0	1422.0	1422.0	1422.0	1422.0	1420.2	1413.0	1416.6	1423.8	1413.0
180°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4



TEST NUMBER: P303215

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2
2.5°	493.2	493.2	493.2	493.2	493.2	489.6	487.8	486.0
5°	491.4	491.4	489.6	489.6	491.4	489.6	487.8	486.0
7.5°	486.0	486.0	486.0	486.0	487.8	486.0	484.2	486.0
10°	480.6	480.6	478.8	478.8	480.6	480.6	478.8	480.6
12.5°	473.4	473.4	471.6	473.4	473.4	473.4	473.4	473.4
15°	464.4	462.6	462.6	462.6	464.4	464.4	464.4	466.2
17.5°	451.8	451.8	450.0	451.8	453.6	451.8	450.0	450.0
20°	441.0	439.2	439.2	439.2	441.0	439.2	439.2	439.2
22.5°	428.4	426.6	426.6	426.6	428.4	426.6	424.8	424.8
25°	414.0	414.0	414.0	414.0	414.0	412.2	410.4	410.4
27.5°	401.4	401.4	399.6	401.4	399.6	397.8	396.0	396.0
30°	387.0	387.0	385.2	387.0	385.2	383.4	381.6	381.6
32.5°	372.6	370.8	370.8	372.6	370.8	369.0	367.2	367.2
35°	356.4	356.4	356.4	356.4	354.6	352.8	351.0	349.2
37.5°	342.0	340.2	340.2	340.2	338.4	336.6	336.6	336.6
40°	325.8	324.0	324.0	325.8	322.2	320.4	320.4	320.4
42.5°	309.6	309.6	307.8	307.8	306.0	304.2	302.4	302.4
45°	291.6	293.4	291.6	291.6	289.8	288.0	286.2	288.0
47.5°	275.4	275.4	275.4	275.4	273.6	271.8	270.0	271.8
50°	259.2	259.2	259.2	259.2	255.6	255.6	253.8	253.8
52.5°	243.0	243.0	241.2	241.2	239.4	239.4	237.6	237.6
55°	225.0	225.0	225.0	225.0	223.2	221.4	221.4	221.4
57.5°	208.8	208.8	207.0	207.0	205.2	205.2	203.4	205.2
60°	190.8	190.8	190.8	190.8	189.0	189.0	187.2	187.2
62.5°	174.6	172.8	172.8	172.8	171.0	171.0	171.0	171.0
65°	156.6	156.6	154.8	156.6	154.8	154.8	153.0	153.0
67.5°	140.4	138.6	138.6	138.6	138.6	136.8	136.8	136.8
70°	122.4	120.6	120.6	120.6	120.6	120.6	118.8	120.6
72.5°	104.4	104.4	104.4	104.4	102.6	102.6	102.6	102.6
75°	88.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
77.5°	72.0	70.2	70.2	70.2	70.2	68.4	68.4	68.4
80°	54.0	54.0	54.0	52.2	52.2	52.2	52.2	52.2
82.5°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	34.2
85°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
87.5°	9.0	9.0	9.0	9.0	10.8	10.8	10.8	10.8
90°	10.8	10.8	12.6	12.6	12.6	12.6	14.4	14.4
92.5°	28.8	28.8	30.6	30.6	28.8	28.8	30.6	30.6
95°	55.8	55.8	55.8	55.8	54.0	54.0	55.8	55.8
97.5°	90.0	88.2	90.0	88.2	86.4	86.4	86.4	84.6
100°	118.8	118.8	120.6	120.6	120.6	120.6	122.4	120.6
102.5°	135.0	136.8	138.6	138.6	140.4	142.2	142.2	142.2
105°	145.8	147.6	151.2	153.0	158.4	160.2	162.0	162.0
107.5°	167.4	167.4	169.2	171.0	171.0	172.8	174.6	174.6
110°	207.0	199.8	198.0	198.0	194.4	194.4	196.2	198.0



TEST NUMBER: P303215

CATALOG NUMBER: CTW-F-7525-30L940-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	243.0	244.8	244.8	246.6	239.4	235.8	237.6	237.6
115°	266.4	270.0	270.0	273.6	273.6	275.4	279.0	279.0
117.5°	282.6	288.0	289.8	291.6	297.0	298.8	302.4	302.4
120°	302.4	306.0	307.8	309.6	311.4	313.2	315.0	316.8
122.5°	327.6	325.8	327.6	327.6	329.4	331.2	331.2	333.0
125°	356.4	354.6	352.8	354.6	351.0	349.2	349.2	351.0
127.5°	396.0	388.8	385.2	381.6	379.8	378.0	376.2	374.4
130°	446.4	435.6	428.4	426.6	417.6	412.2	408.6	410.4
132.5°	513.0	496.8	489.6	486.0	469.8	460.8	457.2	457.2
135°	579.6	561.6	554.4	545.4	534.6	525.6	516.6	516.6
137.5°	642.6	630.0	621.0	612.0	601.2	592.2	583.2	581.4
140°	705.6	691.2	682.2	675.0	666.0	657.0	648.0	653.4
142.5°	770.4	754.2	745.2	743.4	730.8	721.8	716.4	718.2
145°	833.4	817.2	810.0	806.4	795.6	784.8	779.4	775.8
147.5°	896.4	882.0	874.8	871.2	860.4	849.6	844.2	842.4
150°	955.8	943.2	936.0	930.6	923.4	914.4	903.6	903.6
152.5°	1013.4	1000.8	991.8	991.8	984.6	973.8	963.0	968.4
155°	1065.6	1054.8	1049.4	1047.6	1040.4	1031.4	1022.4	1026.0
157.5°	1116.0	1103.4	1099.8	1096.2	1092.6	1085.4	1076.4	1080.0
160°	1164.6	1153.8	1150.2	1146.6	1143.0	1135.8	1126.8	1128.6
162.5°	1211.4	1204.2	1197.0	1195.2	1193.4	1184.4	1175.4	1177.2
165°	1251.0	1243.8	1238.4	1236.6	1236.6	1229.4	1220.4	1222.2
167.5°	1288.8	1279.8	1276.2	1272.6	1274.4	1269.0	1261.8	1265.4
170°	1323.0	1317.6	1314.0	1312.2	1314.0	1306.8	1301.4	1303.2
172.5°	1355.4	1351.8	1348.2	1346.4	1350.0	1344.6	1337.4	1339.2
175°	1384.2	1380.6	1378.8	1377.0	1378.8	1371.6	1368.0	1369.8
177.5°	1411.2	1409.4	1407.6	1405.8	1409.4	1400.4	1393.2	1396.8
180°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4

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