

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: P303223

Luminaire Tested: **CTW-F-7525-40L840-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-40L840-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6120.4 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

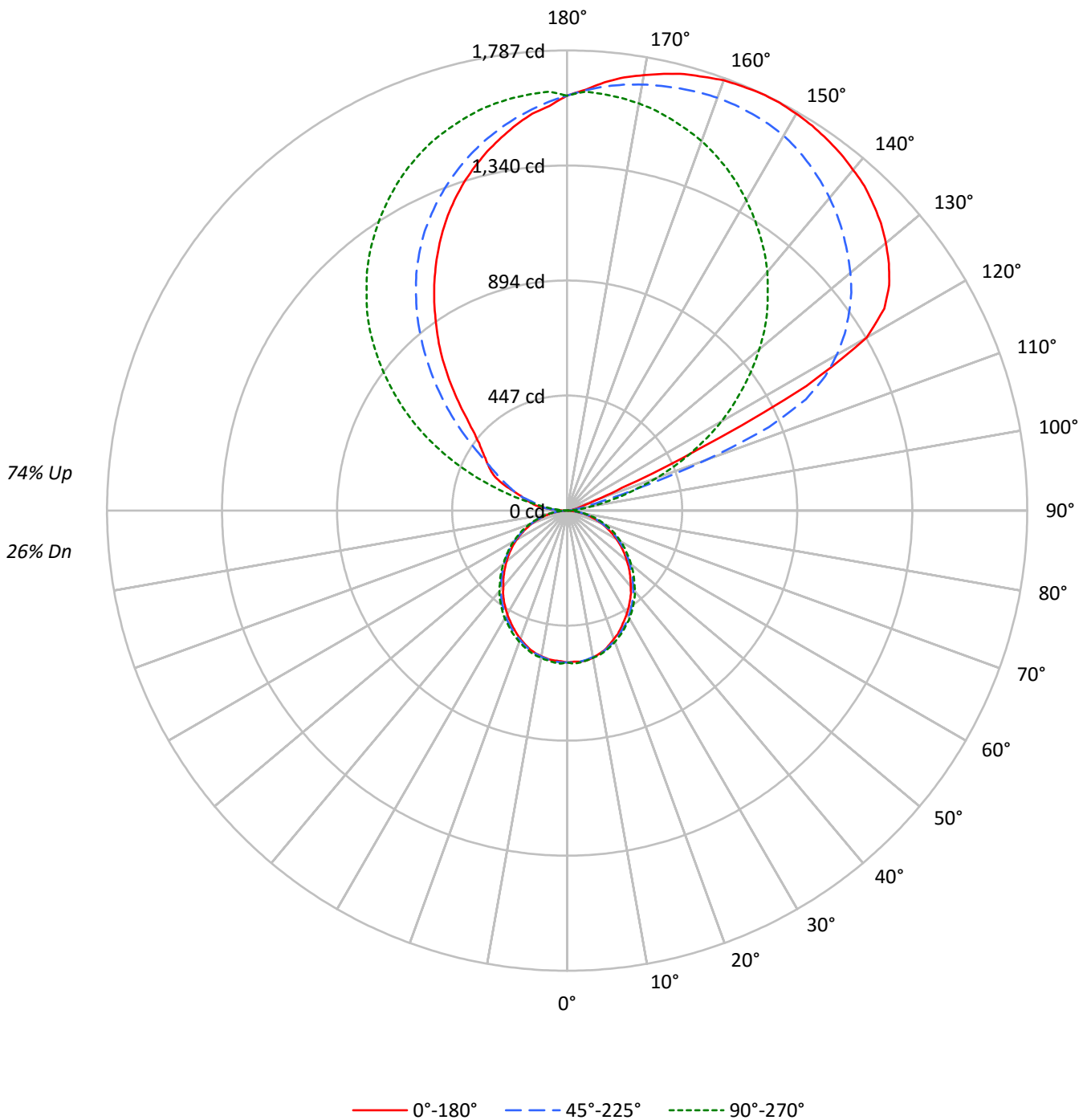
Input Watts (W): 43.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28				21	
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24				18	
3	76	67	60	55	68	60	54	50	47	43	39	35	32	30	23	21	20				15	
4	70	59	52	46	62	53	47	42	42	37	33	31	28	25	21	19	17				13	
5	64	53	45	39	57	47	41	36	37	32	29	27	24	22	18	17	15				11	
6	59	47	39	34	52	42	36	31	33	28	25	25	21	19	17	15	13				10	
7	54	42	35	29	48	38	32	27	30	25	22	22	19	17	15	13	12				9	
8	50	38	31	26	45	35	28	24	27	22	19	20	17	15	14	12	10				8	
9	47	35	28	23	41	31	25	21	25	20	17	19	15	13	13	11	9				7	
10	43	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	8				6	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	8469	8469	8469
5°	8480	8524	8414
10°	8444	8467	8377
15°	8337	8405	8291
20°	8102	8289	8102
25°	7892	8158	7892
30°	7676	8031	7703
35°	7446	7849	7500
40°	7189	7676	7219
45°	6982	7447	7043
50°	6759	7236	6861
55°	6581	7039	6693
60°	6364	6889	6496
65°	6075	6751	6282
70°	5774	6542	6030
75°	5340	6272	5678
80°	4678	5810	5058
85°	3013	5286	3524



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	0.9
10°-20°	157.6	2.6
20°-30°	232.7	3.8
30°-40°	273.0	4.5
40°-50°	274.9	4.5
50°-60°	245.1	4.0
60°-70°	187.9	3.1
70°-80°	111.7	1.8
80°-90°	30.9	0.5
90°-100°	45.1	0.7
100°-110°	192.4	3.1
110°-120°	549.0	9.0
120°-130°	802.8	13.1
130°-140°	866.2	14.2
140°-150°	824.3	13.5
150°-160°	676.4	11.1
160°-170°	441.7	7.2
170°-180°	153.0	2.5
0°-30°	446.0	7.3
0°-40°	719.1	11.7
0°-60°	1239.0	20.2
0°-90°	1569.5	25.6
90°-120°	786.5	12.9
90°-150°	3279.8	53.6
90°-180°	4551.0	74.4
0°-180°	6120.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	590	590	590	590	590	
5°	589	589	592	587	584	56
15°	561	563	566	560	558	157
25°	498	509	515	508	498	230
35°	425	440	448	440	428	266
45°	344	358	367	359	347	265
55°	263	274	281	278	268	235
65°	179	188	199	191	185	178
75°	96	102	113	107	102	102
85°	18	23	32	26	21	23
90°	2	2	2	8	14	2
95°	11	14	32	64	60	12
105°	50	138	217	151	168	62
115°	556	1023	532	277	309	628
125°	1527	1336	836	459	402	1353
135°	1682	1517	1099	740	596	1299
145°	1760	1640	1306	1023	888	1104
155°	1787	1700	1466	1258	1164	826
165°	1755	1697	1572	1436	1384	497
175°	1670	1653	1624	1564	1547	161
180°	1611	1611	1611	1611	1611	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	587.1	585.5	588.6	590.1	590.1	591.7	591.7	591.7	591.7	593.2	590.1
5°	588.6	588.6	588.6	588.6	587.1	588.6	588.6	590.1	590.1	591.7	588.6
7.5°	587.1	585.5	585.5	585.5	584.0	584.0	585.5	585.5	584.0	587.1	584.0
10°	579.4	579.4	577.9	577.9	577.9	577.9	577.9	579.4	579.4	581.0	577.9
12.5°	570.3	570.3	570.3	570.3	568.7	568.7	570.3	571.8	571.8	573.3	571.8
15°	561.1	559.6	561.1	562.6	561.1	561.1	561.1	562.6	562.6	564.1	562.6
17.5°	545.8	545.8	547.3	548.9	548.9	547.3	548.9	550.4	550.4	551.9	550.4
20°	530.5	530.5	532.0	533.6	533.6	533.6	535.1	535.1	536.6	536.6	538.2
22.5°	516.8	515.2	516.8	518.3	518.3	516.8	519.8	519.8	521.3	522.9	524.4
25°	498.4	496.9	499.9	501.5	501.5	501.5	503.0	504.5	506.0	507.6	509.1
27.5°	480.1	480.1	481.6	483.1	484.6	484.6	486.2	489.2	489.2	490.8	493.8
30°	463.2	463.2	464.8	466.3	467.8	467.8	467.8	470.9	473.9	473.9	477.0
32.5°	444.9	443.4	444.9	448.0	448.0	448.0	449.5	452.5	454.1	455.6	458.7
35°	425.0	425.0	426.5	428.1	429.6	429.6	431.1	434.2	435.7	437.3	440.3
37.5°	406.7	405.1	406.7	408.2	409.7	409.7	411.3	414.3	415.8	417.4	420.4
40°	383.7	382.2	383.7	385.3	386.8	386.8	388.3	392.9	394.4	396.0	399.0
42.5°	363.9	362.3	363.9	365.4	366.9	368.5	368.5	370.0	373.0	374.6	377.6
45°	344.0	342.5	342.5	345.5	347.0	347.0	348.6	350.1	353.2	354.7	357.8
47.5°	324.1	322.6	324.1	325.6	325.6	327.2	328.7	328.7	331.8	334.8	336.3
50°	302.7	302.7	302.7	304.2	305.8	307.3	307.3	308.8	310.4	313.4	316.5
52.5°	282.8	281.3	282.8	284.4	285.9	285.9	287.4	287.4	289.0	293.5	295.1
55°	263.0	261.4	261.4	263.0	263.0	264.5	266.0	266.0	267.5	270.6	273.7
57.5°	241.6	241.6	241.6	243.1	243.1	243.1	246.1	246.1	247.7	250.7	252.3
60°	221.7	221.7	220.2	221.7	221.7	223.2	224.7	224.7	226.3	227.8	230.9
62.5°	200.3	200.3	198.8	200.3	201.8	201.8	203.3	203.3	204.9	207.9	209.5
65°	178.9	180.4	178.9	178.9	180.4	180.4	181.9	181.9	183.5	185.0	188.0
67.5°	159.0	159.0	157.5	159.0	159.0	160.5	160.5	162.1	162.1	163.6	165.1
70°	137.6	137.6	137.6	137.6	139.1	139.1	140.7	140.7	140.7	142.2	143.7
72.5°	117.7	117.7	116.2	116.2	117.7	119.3	119.3	120.8	120.8	123.8	123.8
75°	96.3	96.3	96.3	96.3	97.8	97.8	97.8	99.4	100.9	100.9	102.4
77.5°	76.4	74.9	76.4	76.4	76.4	76.4	78.0	79.5	79.5	81.0	82.6
80°	56.6	55.0	56.6	56.6	56.6	56.6	58.1	58.1	59.6	61.2	61.2
82.5°	36.7	35.2	36.7	36.7	36.7	36.7	38.2	38.2	39.8	41.3	41.3
85°	18.3	16.8	18.3	18.3	18.3	18.3	18.3	19.9	21.4	21.4	22.9
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6	4.6	6.1
90°	1.5	3.1	3.1	3.1	1.5	3.1	1.5	3.1	1.5	1.5	1.5
92.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
95°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	12.2	12.2	12.2	13.8
97.5°	18.3	16.8	16.8	18.3	18.3	18.3	18.3	19.9	21.4	22.9	26.0
100°	26.0	26.0	26.0	27.5	27.5	29.0	29.0	30.6	33.6	36.7	42.8
102.5°	38.2	38.2	38.2	39.8	39.8	41.3	42.8	45.9	50.5	58.1	71.9
105°	50.5	52.0	53.5	55.0	58.1	61.2	62.7	68.8	79.5	99.4	137.6
107.5°	74.9	74.9	78.0	81.0	87.1	93.3	97.8	116.2	142.2	197.2	289.0
110°	117.7	116.2	120.8	134.5	151.4	168.2	177.3	240.0	311.9	432.7	571.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	230.9	227.8	243.1	275.2	336.3	388.3	411.3	532.0	662.0	775.1	848.5
115°	556.5	548.9	581.0	645.2	752.2	814.9	834.8	934.1	999.9	1019.7	1022.8
117.5°	1047.3	1038.1	1059.5	1094.7	1151.2	1172.6	1168.0	1184.9	1177.2	1158.9	1129.8
120°	1342.3	1334.7	1334.7	1333.2	1336.2	1330.1	1322.5	1305.6	1276.6	1247.5	1209.3
122.5°	1460.0	1457.0	1449.3	1435.6	1426.4	1418.8	1403.5	1379.0	1350.0	1317.9	1278.1
125°	1527.3	1522.7	1515.1	1502.9	1486.0	1479.9	1463.1	1437.1	1408.1	1376.0	1336.2
127.5°	1574.7	1570.1	1562.5	1553.3	1535.0	1528.8	1513.6	1486.0	1458.5	1427.9	1391.3
130°	1616.0	1611.4	1603.8	1596.1	1580.8	1570.1	1556.4	1530.4	1504.4	1473.8	1435.6
132.5°	1652.7	1646.6	1638.9	1632.8	1619.0	1611.4	1596.1	1571.7	1545.7	1516.6	1476.9
135°	1681.7	1678.7	1669.5	1663.4	1649.6	1640.5	1628.2	1605.3	1580.8	1551.8	1516.6
137.5°	1709.3	1701.6	1697.0	1689.4	1675.6	1666.4	1655.7	1634.3	1611.4	1585.4	1553.3
140°	1727.6	1723.0	1716.9	1712.3	1698.5	1687.8	1678.7	1661.9	1638.9	1614.5	1585.4
142.5°	1745.9	1741.4	1736.8	1729.1	1716.9	1709.3	1700.1	1684.8	1666.4	1642.0	1614.5
145°	1759.7	1755.1	1750.5	1745.9	1733.7	1726.1	1718.4	1706.2	1687.8	1664.9	1640.5
147.5°	1771.9	1768.9	1764.3	1759.7	1749.0	1742.9	1736.8	1724.5	1706.2	1683.3	1663.4
150°	1779.6	1776.5	1771.9	1770.4	1758.2	1752.1	1747.5	1736.8	1720.0	1697.0	1681.7
152.5°	1785.7	1782.6	1778.0	1776.5	1764.3	1759.7	1755.1	1744.4	1727.6	1706.2	1692.4
155°	1787.2	1784.2	1779.6	1776.5	1764.3	1759.7	1756.6	1745.9	1732.2	1713.8	1700.1
157.5°	1782.6	1781.1	1778.0	1771.9	1761.2	1756.6	1755.1	1744.4	1733.7	1718.4	1704.7
160°	1778.0	1775.0	1773.5	1768.9	1759.7	1756.6	1755.1	1745.9	1735.2	1721.5	1706.2
162.5°	1765.8	1765.8	1764.3	1761.2	1753.6	1750.5	1749.0	1741.4	1730.7	1720.0	1703.1
165°	1755.1	1753.6	1750.5	1747.5	1741.4	1739.8	1736.8	1732.2	1721.5	1713.8	1697.0
167.5°	1736.8	1735.2	1732.2	1727.6	1723.0	1723.0	1721.5	1718.4	1709.3	1706.2	1689.4
170°	1716.9	1713.8	1713.8	1710.8	1706.2	1706.2	1706.2	1703.1	1695.5	1694.0	1680.2
172.5°	1697.0	1694.0	1692.4	1690.9	1684.8	1686.3	1686.3	1683.3	1678.7	1681.7	1668.0
175°	1669.5	1668.0	1664.9	1664.9	1661.9	1663.4	1666.4	1664.9	1660.3	1664.9	1652.7
177.5°	1635.9	1634.3	1635.9	1640.5	1637.4	1642.0	1642.0	1643.5	1642.0	1646.6	1634.3
180°	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	587.1	588.6	587.1	588.6	588.6	587.1	588.6	590.1	593.2	594.7	593.2
5°	585.5	585.5	585.5	585.5	585.5	585.5	585.5	587.1	590.1	591.7	590.1
7.5°	581.0	582.5	581.0	582.5	582.5	581.0	581.0	584.0	585.5	587.1	585.5
10°	576.4	576.4	574.8	576.4	576.4	576.4	576.4	577.9	579.4	581.0	579.4
12.5°	568.7	568.7	567.2	568.7	568.7	568.7	568.7	570.3	573.3	574.8	573.3
15°	559.6	559.6	559.6	559.6	561.1	559.6	559.6	562.6	564.1	565.7	564.1
17.5°	547.3	548.9	547.3	548.9	548.9	548.9	548.9	551.9	553.4	555.0	553.4
20°	533.6	535.1	535.1	535.1	536.6	536.6	536.6	538.2	541.2	542.7	541.2
22.5°	521.3	522.9	522.9	522.9	522.9	522.9	524.4	525.9	529.0	529.0	529.0
25°	506.0	506.0	507.6	509.1	509.1	509.1	510.6	512.2	513.7	515.2	513.7
27.5°	490.8	490.8	490.8	493.8	493.8	493.8	493.8	495.3	498.4	498.4	498.4
30°	475.5	473.9	475.5	477.0	478.5	478.5	478.5	480.1	483.1	484.6	483.1
32.5°	458.7	457.1	458.7	460.2	460.2	461.7	461.7	463.2	466.3	466.3	466.3
35°	440.3	438.8	440.3	441.8	441.8	443.4	444.9	444.9	448.0	448.0	448.0
37.5°	422.0	420.4	422.0	423.5	423.5	425.0	425.0	426.5	429.6	429.6	429.6
40°	402.1	400.6	400.6	403.6	403.6	403.6	406.7	406.7	409.7	409.7	409.7
42.5°	380.7	379.2	380.7	382.2	382.2	382.2	383.7	385.3	386.8	386.8	386.8
45°	359.3	359.3	360.8	362.3	362.3	362.3	363.9	365.4	366.9	366.9	366.9
47.5°	339.4	339.4	340.9	342.5	342.5	342.5	344.0	344.0	347.0	345.5	345.5
50°	318.0	319.5	321.1	322.6	322.6	322.6	324.1	324.1	325.6	324.1	325.6
52.5°	296.6	298.1	299.7	301.2	301.2	301.2	302.7	302.7	304.2	302.7	304.2
55°	275.2	275.2	278.3	279.8	279.8	279.8	281.3	281.3	282.8	281.3	282.8
57.5°	255.3	255.3	256.8	258.4	258.4	258.4	259.9	261.4	261.4	261.4	261.4
60°	232.4	233.9	235.4	237.0	238.5	238.5	238.5	240.0	240.0	240.0	240.0
62.5°	211.0	212.5	214.0	215.6	217.1	215.6	217.1	218.6	218.6	218.6	218.6
65°	189.6	191.1	192.6	194.2	195.7	194.2	195.7	197.2	197.2	198.8	197.2
67.5°	168.2	168.2	171.2	172.8	172.8	172.8	174.3	175.8	175.8	177.3	177.3
70°	146.8	146.8	149.8	151.4	151.4	151.4	152.9	154.4	155.9	155.9	155.9
72.5°	125.4	126.9	128.4	130.0	131.5	130.0	131.5	133.0	134.5	134.5	134.5
75°	104.0	105.5	107.0	108.5	110.1	108.5	110.1	111.6	111.6	113.1	113.1
77.5°	82.6	84.1	85.6	87.1	88.7	88.7	88.7	90.2	91.7	93.3	91.7
80°	62.7	64.2	65.7	67.3	68.8	67.3	68.8	68.8	70.3	70.3	70.3
82.5°	42.8	45.9	45.9	47.4	47.4	47.4	48.9	48.9	50.5	52.0	50.5
85°	24.5	26.0	27.5	29.0	29.0	29.0	29.0	30.6	30.6	32.1	32.1
87.5°	7.6	7.6	9.2	10.7	10.7	10.7	12.2	12.2	13.8	13.8	13.8
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	9.2	10.7	12.2	15.3	15.3	13.8	12.2	13.8
95°	15.3	18.3	22.9	29.0	35.2	38.2	45.9	44.3	38.2	32.1	30.6
97.5°	30.6	38.2	48.9	65.7	78.0	85.6	94.8	87.1	73.4	62.7	56.6
100°	55.0	71.9	96.3	131.5	149.8	157.5	160.5	143.7	122.3	102.4	90.2
102.5°	99.4	139.1	188.0	237.0	255.3	255.3	246.1	215.6	183.5	154.4	131.5
105°	197.2	264.5	339.4	376.1	383.7	373.0	342.5	301.2	255.3	217.1	185.0
107.5°	399.0	487.7	521.3	519.8	512.2	486.2	444.9	392.9	334.8	287.4	247.7
110°	660.5	686.5	680.3	645.2	625.3	596.3	539.7	487.7	418.9	368.5	318.0



TEST NUMBER: P303223

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	865.3	839.3	801.1	747.6	723.1	692.6	634.5	577.9	504.5	451.0	396.0
115°	996.8	947.9	897.4	839.3	813.3	781.2	723.1	660.5	587.1	532.0	475.5
117.5°	1091.6	1033.5	980.0	921.9	897.4	865.3	805.7	740.0	666.6	613.1	556.5
120°	1160.4	1109.9	1054.9	998.3	975.4	943.3	880.6	817.9	749.1	691.0	634.5
122.5°	1229.2	1175.7	1123.7	1070.2	1047.3	1015.2	949.4	888.3	821.0	764.4	709.4
125°	1288.8	1236.8	1187.9	1137.5	1113.0	1077.8	1016.7	955.5	891.3	836.3	784.3
127.5°	1343.9	1296.5	1246.0	1197.1	1172.6	1135.9	1077.8	1018.2	960.1	906.6	854.6
130°	1392.8	1351.5	1302.6	1253.7	1226.1	1192.5	1137.5	1079.4	1024.3	973.9	923.4
132.5°	1438.6	1398.9	1353.0	1301.0	1273.5	1244.5	1191.0	1139.0	1087.0	1039.6	990.7
135°	1483.0	1440.2	1394.3	1343.9	1319.4	1293.4	1241.4	1189.4	1145.1	1099.2	1053.4
137.5°	1522.7	1475.3	1431.0	1383.6	1360.7	1336.2	1287.3	1239.9	1198.6	1152.8	1109.9
140°	1554.8	1507.4	1466.2	1418.8	1398.9	1377.5	1330.1	1285.8	1249.1	1209.3	1166.5
142.5°	1580.8	1535.0	1496.7	1453.9	1435.6	1414.2	1369.8	1331.6	1298.0	1259.8	1218.5
145°	1602.2	1561.0	1524.3	1484.5	1467.7	1449.3	1408.1	1374.4	1340.8	1305.6	1267.4
147.5°	1623.6	1583.9	1551.8	1515.1	1499.8	1483.0	1443.2	1414.2	1383.6	1350.0	1314.8
150°	1640.5	1605.3	1573.2	1541.1	1525.8	1510.5	1475.3	1446.3	1421.8	1391.3	1359.1
152.5°	1652.7	1623.6	1594.6	1565.5	1550.3	1536.5	1507.4	1481.5	1460.0	1431.0	1400.4
155°	1661.9	1637.4	1611.4	1586.9	1573.2	1561.0	1533.4	1512.0	1490.6	1466.2	1437.1
157.5°	1669.5	1648.1	1625.2	1600.7	1591.5	1579.3	1554.8	1538.0	1519.7	1498.3	1472.3
160°	1674.1	1657.3	1634.3	1616.0	1606.8	1597.6	1574.7	1559.4	1545.7	1527.3	1502.9
162.5°	1675.6	1660.3	1642.0	1626.7	1619.0	1609.9	1590.0	1579.3	1565.5	1550.3	1527.3
165°	1674.1	1663.4	1646.6	1634.3	1628.2	1619.0	1603.8	1594.6	1585.4	1571.7	1551.8
167.5°	1671.0	1660.3	1649.6	1638.9	1632.8	1626.7	1614.5	1608.3	1600.7	1591.5	1574.7
170°	1664.9	1658.8	1648.1	1642.0	1637.4	1631.3	1620.6	1617.5	1614.5	1605.3	1591.5
172.5°	1655.7	1651.2	1643.5	1638.9	1635.9	1631.3	1623.6	1623.6	1622.1	1616.0	1603.8
175°	1642.0	1640.5	1634.3	1632.8	1631.3	1626.7	1623.6	1625.2	1626.7	1623.6	1614.5
177.5°	1626.7	1628.2	1623.6	1625.2	1623.6	1620.6	1620.6	1625.2	1628.2	1628.2	1622.1
180°	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4



TEST NUMBER: P303223

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	591.7	588.6	587.1	588.6	587.1	585.5	585.5	587.1	590.1	593.2	590.1
5°	588.6	585.5	585.5	585.5	585.5	584.0	584.0	584.0	587.1	591.7	587.1
7.5°	584.0	581.0	581.0	581.0	581.0	579.4	579.4	579.4	582.5	585.5	582.5
10°	577.9	576.4	574.8	574.8	574.8	573.3	571.8	573.3	576.4	579.4	574.8
12.5°	570.3	568.7	567.2	567.2	567.2	565.7	565.7	565.7	568.7	570.3	567.2
15°	561.1	559.6	558.0	559.6	558.0	556.5	556.5	556.5	559.6	561.1	558.0
17.5°	550.4	548.9	547.3	547.3	547.3	544.3	544.3	544.3	548.9	548.9	545.8
20°	538.2	535.1	535.1	535.1	533.6	532.0	532.0	532.0	535.1	535.1	532.0
22.5°	525.9	524.4	521.3	521.3	521.3	519.8	518.3	518.3	522.9	519.8	518.3
25°	512.2	509.1	507.6	507.6	506.0	504.5	503.0	503.0	507.6	504.5	501.5
27.5°	495.3	493.8	492.3	492.3	490.8	487.7	487.7	487.7	492.3	487.7	486.2
30°	480.1	478.5	477.0	477.0	475.5	472.4	472.4	473.9	477.0	472.4	470.9
32.5°	463.2	461.7	458.7	458.7	457.1	455.6	455.6	457.1	458.7	454.1	452.5
35°	444.9	443.4	441.8	441.8	440.3	438.8	438.8	440.3	440.3	435.7	434.2
37.5°	426.5	425.0	423.5	422.0	420.4	420.4	420.4	422.0	420.4	417.4	414.3
40°	408.2	406.7	403.6	403.6	402.1	400.6	400.6	403.6	400.6	397.5	392.9
42.5°	385.3	383.7	380.7	380.7	379.2	379.2	380.7	382.2	379.2	376.1	373.0
45°	365.4	363.9	362.3	362.3	360.8	360.8	360.8	360.8	359.3	357.8	354.7
47.5°	345.5	344.0	342.5	342.5	342.5	340.9	340.9	340.9	339.4	336.3	334.8
50°	325.6	324.1	322.6	322.6	321.1	319.5	321.1	319.5	319.5	316.5	313.4
52.5°	304.2	302.7	302.7	301.2	302.7	301.2	299.7	299.7	298.1	295.1	293.5
55°	282.8	282.8	281.3	281.3	281.3	279.8	279.8	278.3	278.3	275.2	272.1
57.5°	263.0	261.4	261.4	261.4	261.4	258.4	258.4	256.8	256.8	253.8	252.3
60°	241.6	240.0	240.0	240.0	240.0	238.5	237.0	237.0	233.9	232.4	230.9
62.5°	220.2	218.6	218.6	218.6	218.6	217.1	215.6	215.6	212.5	211.0	209.5
65°	198.8	197.2	197.2	197.2	197.2	195.7	194.2	194.2	191.1	189.6	189.6
67.5°	177.3	175.8	175.8	175.8	175.8	174.3	172.8	172.8	169.7	169.7	168.2
70°	155.9	155.9	155.9	154.4	154.4	152.9	151.4	151.4	148.3	148.3	146.8
72.5°	134.5	134.5	133.0	131.5	133.0	133.0	130.0	130.0	128.4	128.4	126.9
75°	113.1	113.1	111.6	111.6	111.6	110.1	108.5	108.5	107.0	107.0	105.5
77.5°	91.7	91.7	90.2	90.2	91.7	90.2	88.7	88.7	87.1	87.1	85.6
80°	70.3	71.9	70.3	71.9	70.3	70.3	68.8	67.3	67.3	67.3	65.7
82.5°	50.5	52.0	50.5	52.0	50.5	50.5	48.9	47.4	45.9	45.9	44.3
85°	32.1	32.1	30.6	32.1	30.6	30.6	29.0	27.5	26.0	26.0	26.0
87.5°	13.8	13.8	12.2	13.8	12.2	12.2	10.7	10.7	9.2	9.2	9.2
90°	3.1	4.6	6.1	6.1	6.1	6.1	7.6	7.6	7.6	7.6	9.2
92.5°	19.9	26.0	29.0	29.0	27.5	29.0	30.6	29.0	29.0	27.5	27.5
95°	35.2	39.8	47.4	52.0	56.6	62.7	65.7	64.2	64.2	61.2	61.2
97.5°	53.5	59.6	65.7	64.2	65.7	74.9	82.6	90.2	94.8	97.8	99.4
100°	84.1	81.0	85.6	90.2	91.7	90.2	93.3	100.9	108.5	111.6	117.7
102.5°	120.8	111.6	108.5	110.1	113.1	123.8	119.3	120.8	122.3	125.4	133.0
105°	165.1	149.8	142.2	140.7	139.1	143.7	154.4	157.5	151.4	149.8	152.9
107.5°	218.6	195.7	183.5	177.3	174.3	174.3	177.3	186.5	194.2	191.1	188.0
110°	282.8	249.2	230.9	220.2	212.5	207.9	209.5	212.5	220.2	227.8	233.9



TEST NUMBER: P303223

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	353.2	311.9	282.8	270.6	259.9	246.1	243.1	243.1	246.1	253.8	261.4
115°	431.1	380.7	344.0	327.2	314.9	292.0	281.3	275.2	276.7	278.3	284.4
117.5°	509.1	457.1	414.3	392.9	376.1	347.0	325.6	314.9	310.4	308.8	311.9
120°	584.0	535.1	489.2	466.3	444.9	409.7	380.7	357.8	348.6	340.9	339.4
122.5°	657.4	610.0	562.6	538.2	516.8	478.5	449.5	418.9	397.5	380.7	371.5
125°	735.4	683.4	636.0	614.6	591.7	550.4	513.7	486.2	458.7	435.7	418.9
127.5°	804.2	756.8	709.4	688.0	668.1	623.8	585.5	555.0	525.9	496.9	472.4
130°	874.5	828.6	782.8	759.8	738.4	698.7	658.9	625.3	596.3	567.2	539.7
132.5°	941.8	897.4	853.1	830.2	811.8	772.1	730.8	698.7	666.6	639.1	611.5
135°	1006.0	960.1	920.4	897.4	876.0	840.9	802.6	773.6	740.0	710.9	684.9
137.5°	1067.1	1021.3	984.6	963.2	946.4	911.2	876.0	845.5	813.3	784.3	756.8
140°	1123.7	1080.9	1041.1	1024.3	1004.5	973.9	941.8	915.8	885.2	854.6	830.2
142.5°	1178.7	1137.5	1103.8	1082.4	1067.1	1035.0	1004.5	983.0	957.1	925.0	902.0
145°	1227.7	1189.4	1158.9	1140.5	1120.6	1091.6	1064.1	1044.2	1022.8	993.8	970.8
147.5°	1278.1	1241.4	1209.3	1195.6	1177.2	1149.7	1125.2	1105.4	1090.1	1061.0	1039.6
150°	1325.5	1290.3	1258.2	1244.5	1229.2	1203.2	1180.3	1163.5	1149.7	1123.7	1103.8
152.5°	1369.8	1334.7	1307.2	1293.4	1278.1	1255.2	1232.3	1215.4	1207.8	1181.8	1161.9
155°	1408.1	1376.0	1351.5	1340.8	1325.5	1301.0	1281.2	1265.9	1258.2	1236.8	1220.0
157.5°	1444.8	1412.7	1391.3	1382.1	1368.3	1345.4	1328.6	1311.8	1307.2	1290.3	1272.0
160°	1476.9	1449.3	1431.0	1421.8	1409.6	1386.7	1371.4	1357.6	1353.0	1340.8	1324.0
162.5°	1505.9	1481.5	1466.2	1455.5	1444.8	1427.9	1411.1	1398.9	1395.8	1388.2	1369.8
165°	1533.4	1510.5	1495.2	1487.6	1479.9	1463.1	1447.8	1438.6	1435.6	1431.0	1412.7
167.5°	1557.9	1536.5	1522.7	1518.1	1509.0	1495.2	1483.0	1473.8	1472.3	1470.8	1453.9
170°	1576.2	1557.9	1548.7	1541.1	1536.5	1524.3	1513.6	1505.9	1505.9	1507.4	1490.6
172.5°	1593.1	1577.8	1568.6	1564.0	1559.4	1548.7	1541.1	1533.4	1536.5	1539.5	1525.8
175°	1605.3	1593.1	1585.4	1582.4	1579.3	1570.1	1564.0	1561.0	1564.0	1570.1	1556.4
177.5°	1614.5	1605.3	1600.7	1599.2	1596.1	1590.0	1586.9	1583.9	1590.0	1597.6	1585.4
180°	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	591.7	591.7	590.1	590.1	588.6	587.1	585.5	585.5
5°	588.6	587.1	587.1	587.1	585.5	585.5	584.0	584.0
7.5°	582.5	582.5	582.5	581.0	582.5	581.0	581.0	581.0
10°	576.4	574.8	574.8	574.8	574.8	573.3	573.3	574.8
12.5°	568.7	567.2	565.7	565.7	565.7	565.7	565.7	567.2
15°	558.0	558.0	558.0	556.5	556.5	556.5	556.5	558.0
17.5°	545.8	544.3	544.3	544.3	544.3	544.3	544.3	544.3
20°	532.0	530.5	530.5	529.0	529.0	529.0	529.0	530.5
22.5°	518.3	515.2	515.2	513.7	515.2	515.2	513.7	515.2
25°	501.5	499.9	499.9	498.4	498.4	496.9	496.9	498.4
27.5°	486.2	484.6	483.1	483.1	481.6	480.1	480.1	481.6
30°	469.4	467.8	466.3	464.8	464.8	463.2	463.2	464.8
32.5°	451.0	449.5	448.0	448.0	446.4	444.9	444.9	446.4
35°	432.7	431.1	429.6	429.6	428.1	426.5	426.5	428.1
37.5°	414.3	411.3	411.3	411.3	409.7	408.2	406.7	408.2
40°	391.4	389.9	388.3	386.8	386.8	385.3	385.3	385.3
42.5°	371.5	370.0	370.0	368.5	366.9	365.4	365.4	366.9
45°	351.6	351.6	350.1	348.6	347.0	347.0	347.0	347.0
47.5°	331.8	330.2	330.2	330.2	327.2	327.2	325.6	327.2
50°	311.9	310.4	310.4	310.4	307.3	307.3	307.3	307.3
52.5°	292.0	290.5	290.5	289.0	289.0	287.4	285.9	287.4
55°	270.6	270.6	269.1	269.1	267.5	266.0	266.0	267.5
57.5°	250.7	249.2	249.2	249.2	247.7	246.1	246.1	247.7
60°	229.3	229.3	229.3	227.8	226.3	226.3	226.3	226.3
62.5°	209.5	207.9	207.9	207.9	207.9	206.4	204.9	204.9
65°	188.0	186.5	186.5	186.5	185.0	186.5	185.0	185.0
67.5°	166.6	166.6	166.6	165.1	165.1	165.1	163.6	163.6
70°	146.8	145.2	146.8	145.2	145.2	145.2	143.7	143.7
72.5°	126.9	125.4	125.4	123.8	125.4	123.8	123.8	122.3
75°	105.5	105.5	104.0	104.0	104.0	104.0	102.4	102.4
77.5°	85.6	85.6	84.1	84.1	84.1	82.6	82.6	81.0
80°	64.2	64.2	64.2	62.7	62.7	62.7	62.7	61.2
82.5°	44.3	44.3	44.3	42.8	42.8	41.3	41.3	39.8
85°	24.5	24.5	24.5	22.9	22.9	22.9	22.9	21.4
87.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
90°	9.2	10.7	9.2	10.7	12.2	12.2	12.2	13.8
92.5°	27.5	27.5	27.5	29.0	29.0	27.5	27.5	27.5
95°	61.2	61.2	61.2	61.2	61.2	59.6	59.6	59.6
97.5°	100.9	100.9	100.9	102.4	100.9	97.8	97.8	97.8
100°	120.8	123.8	125.4	126.9	128.4	130.0	130.0	130.0
102.5°	139.1	140.7	142.2	143.7	145.2	145.2	145.2	145.2
105°	155.9	157.5	157.5	159.0	163.6	166.6	168.2	168.2
107.5°	186.5	186.5	186.5	188.0	188.0	188.0	188.0	188.0
110°	237.0	229.3	227.8	221.7	223.2	221.7	221.7	221.7



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	269.1	273.7	275.2	276.7	276.7	275.2	272.1	270.6
115°	293.5	298.1	301.2	301.2	305.8	308.8	308.8	308.8
117.5°	316.5	321.1	322.6	325.6	328.7	331.8	333.3	333.3
120°	340.9	345.5	345.5	348.6	350.1	353.2	354.7	354.7
122.5°	368.5	371.5	371.5	371.5	374.6	374.6	376.1	376.1
125°	409.7	406.7	405.1	403.6	403.6	402.1	403.6	402.1
127.5°	457.1	449.5	444.9	440.3	437.3	432.7	432.7	431.1
130°	515.2	506.0	495.3	490.8	483.1	478.5	475.5	472.4
132.5°	585.5	573.3	562.6	555.0	544.3	535.1	530.5	527.5
135°	662.0	642.1	629.9	625.3	613.1	602.4	599.3	596.3
137.5°	733.8	715.5	704.8	700.2	688.0	677.3	672.7	669.6
140°	804.2	785.8	773.6	772.1	759.8	750.7	747.6	744.5
142.5°	876.0	860.7	847.0	842.4	831.7	825.6	819.5	817.9
145°	946.4	929.5	917.3	914.3	903.5	895.9	891.3	888.3
147.5°	1016.7	1001.4	989.2	986.1	975.4	969.3	963.2	960.1
150°	1084.0	1065.6	1058.0	1054.9	1044.2	1039.6	1033.5	1030.4
152.5°	1146.6	1129.8	1123.7	1119.1	1111.5	1102.3	1100.8	1097.7
155°	1203.2	1187.9	1183.3	1178.7	1171.1	1166.5	1165.0	1163.5
157.5°	1259.8	1246.0	1239.9	1235.3	1229.2	1224.6	1223.1	1224.6
160°	1314.8	1301.0	1296.5	1293.4	1284.2	1281.2	1281.2	1281.2
162.5°	1363.7	1353.0	1348.4	1345.4	1340.8	1336.2	1333.2	1334.7
165°	1408.1	1398.9	1395.8	1391.3	1386.7	1385.1	1383.6	1383.6
167.5°	1449.3	1440.2	1437.1	1432.5	1431.0	1427.9	1426.4	1429.5
170°	1489.1	1479.9	1478.4	1473.8	1470.8	1469.2	1466.2	1470.8
172.5°	1524.3	1518.1	1515.1	1512.0	1512.0	1510.5	1509.0	1512.0
175°	1556.4	1551.8	1548.7	1544.1	1545.7	1544.1	1544.1	1547.2
177.5°	1586.9	1583.9	1580.8	1579.3	1577.8	1574.7	1571.7	1573.2
180°	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4	1611.4

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