

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: STREETWORKS

Report Number: P416512

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-827-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5719 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

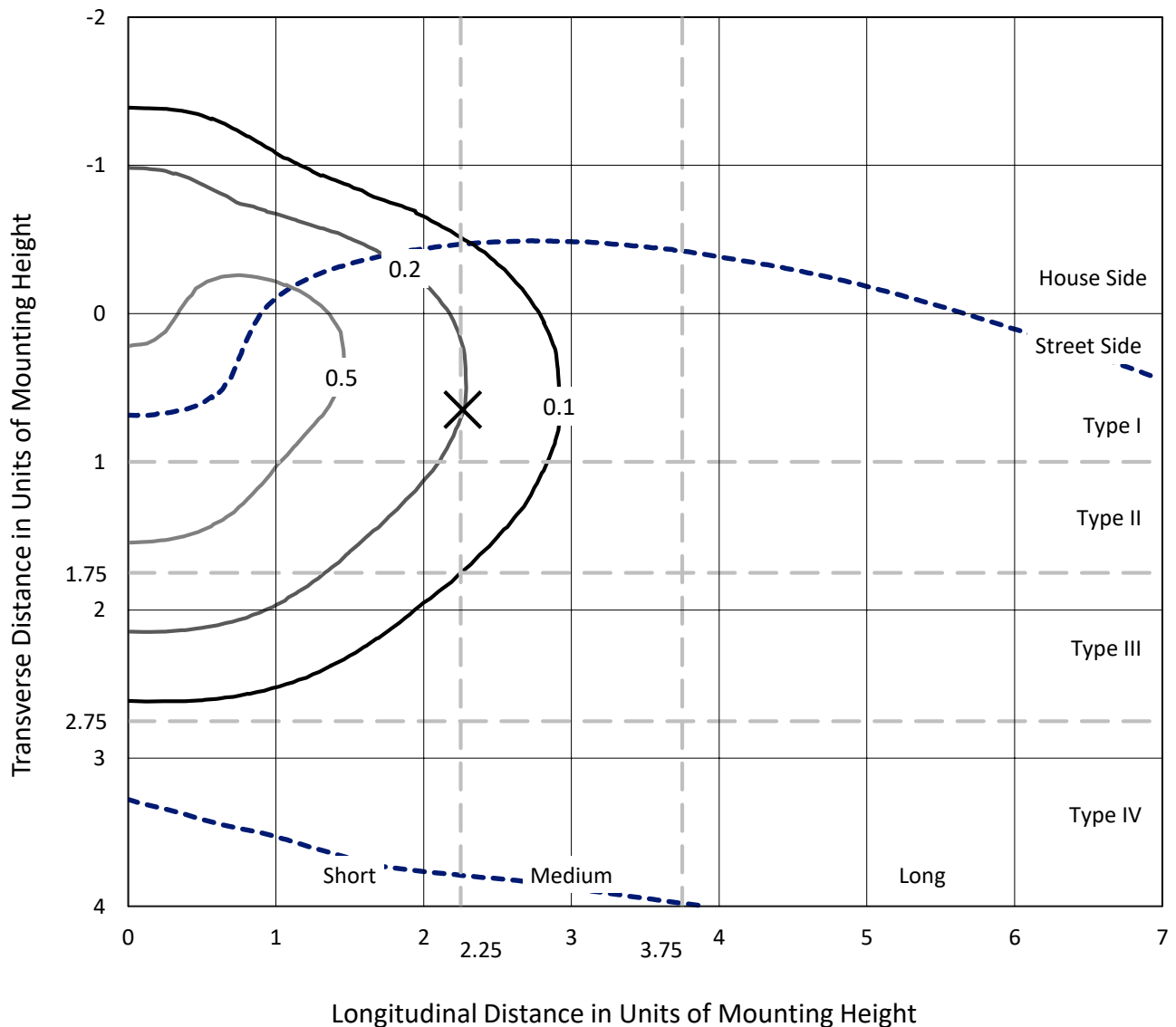
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

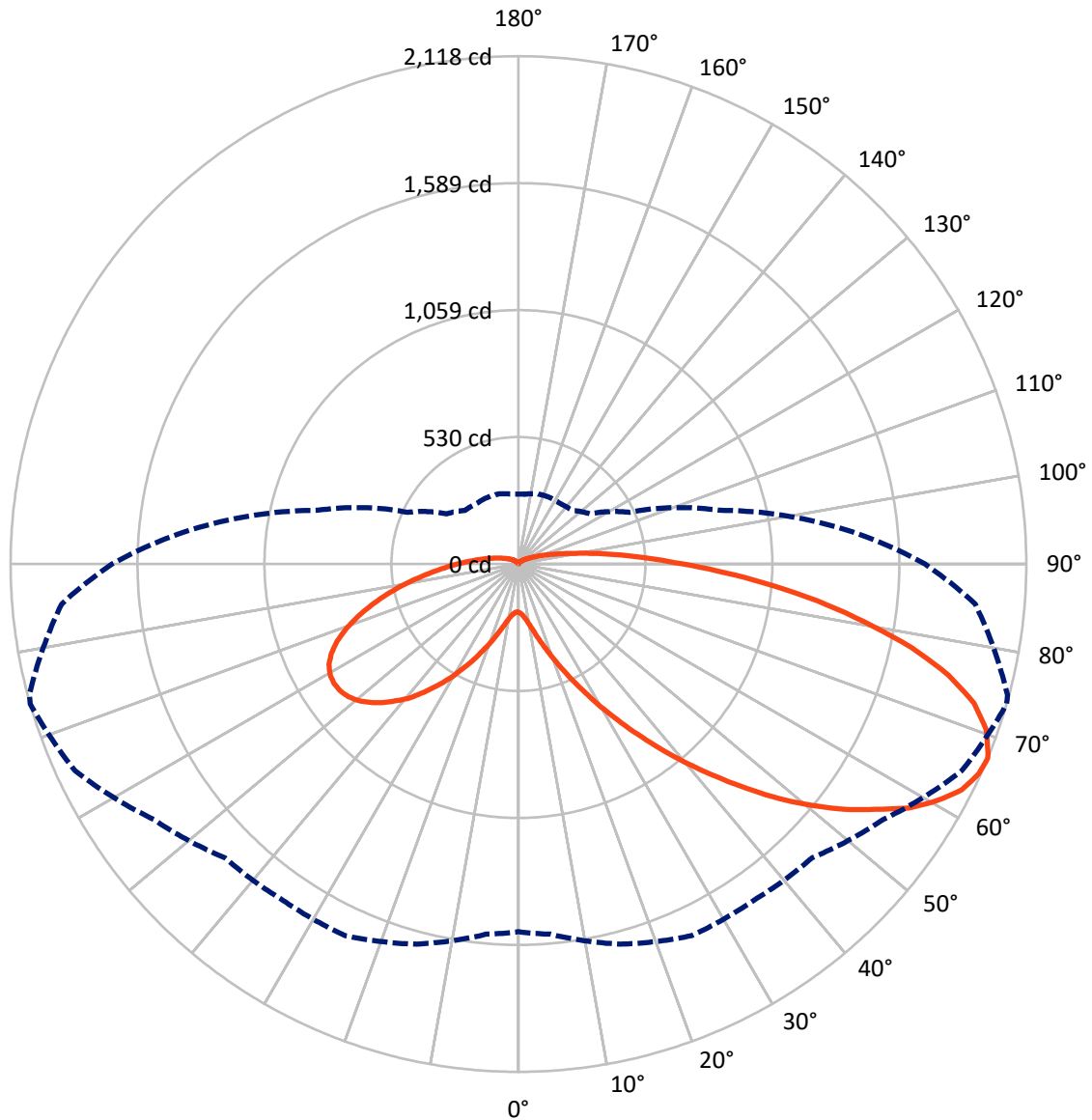
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1378.6	170.5	1549.1
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	3873.1	296.9	4169.9
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	5251.7	467.3	5719.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.2	0.4
10°-20°	87.8	1.5
20°-30°	222.2	3.9
30°-40°	445.7	7.8
40°-50°	748.2	13.1
50°-60°	1049.7	18.4
60°-70°	1173.2	20.5
70°-80°	957.2	16.7
80°-90°	546.4	9.6
90°-100°	249.7	4.4
100°-110°	114.3	2.0
110°-120°	56.3	1.0
120°-130°	28.6	0.5
130°-140°	13.3	0.2
140°-150°	4.4	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5251.7	91.8
0°-180°	5719.0	100.0

**Coefficient of Utilization**



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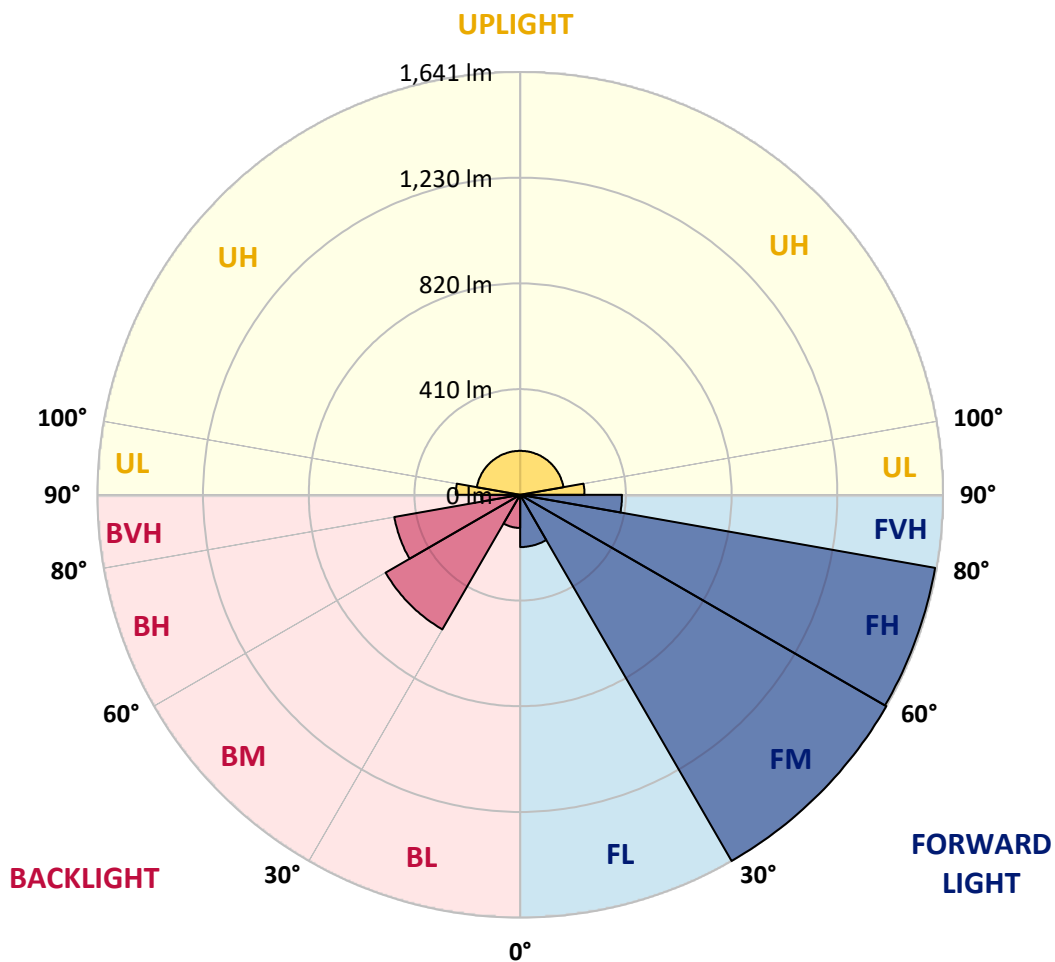
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T3-FL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.7	3.5			
FM	(30°-60°)	1640.6	28.7			
FH	(60°-80°)	1634.7	28.6			G1/1800
FVH	(80°-90°)	395.1	6.9			G3/500
BL	(0°-30°)	128.5	2.2	B1/500		
BM	(30°-60°)	603.1	10.5	B1/1000		
BH	(60°-80°)	495.7	8.7	B1/500		G1/500
BVH	(80°-90°)	151.3	2.6			G2/225
UL	(90°-100°)	249.7	4.4		U3/500	
UH	(100°-180°)	170.5	3.0		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7
2.5°	219.2	217.9	217.9	216.5	215.9	213.2	211.2	208.5	207.1	206.4	204.4
5°	239.4	237.4	237.4	236.0	233.3	230.0	225.3	222.6	217.9	218.6	212.5
7.5°	263.6	262.9	261.6	258.9	255.5	251.5	246.8	240.7	235.4	235.4	228.0
10°	295.9	291.9	291.9	288.5	285.1	279.1	272.4	265.6	258.2	257.6	247.5
12.5°	334.9	334.2	330.2	325.5	320.1	314.0	303.3	296.6	289.2	288.5	277.7
15°	380.6	378.6	373.2	371.2	363.1	352.4	343.6	336.9	329.5	326.8	312.7
17.5°	434.4	431.7	429.7	419.6	412.9	404.2	394.1	385.3	372.6	371.2	355.7
20°	497.6	491.6	485.5	477.5	466.7	458.6	447.9	439.8	425.0	425.0	404.2
22.5°	564.2	562.9	557.5	544.0	529.2	521.2	511.1	494.9	482.8	479.5	456.6
25°	644.9	643.6	632.8	618.7	603.2	591.1	575.0	557.5	547.4	546.7	521.2
27.5°	736.4	738.4	719.5	701.4	680.5	661.0	643.6	634.8	621.4	619.3	589.8
30°	846.6	837.9	818.4	792.2	763.3	738.4	720.2	711.5	702.7	702.1	666.4
32.5°	959.0	948.9	932.1	895.7	855.4	817.1	808.3	800.9	790.8	785.5	749.8
35°	1083.4	1075.3	1051.1	1003.3	949.5	907.8	889.7	891.0	886.3	883.6	840.6
37.5°	1220.5	1206.4	1173.5	1127.1	1047.7	1002.7	981.8	993.2	990.6	985.2	940.1
40°	1349.7	1347.6	1312.7	1240.7	1160.7	1096.8	1082.7	1102.2	1098.8	1092.1	1042.3
42.5°	1498.9	1484.2	1445.1	1364.5	1267.6	1197.0	1181.5	1210.5	1214.5	1215.8	1149.3
45°	1626.7	1620.0	1583.0	1490.2	1378.6	1301.9	1289.1	1320.1	1333.5	1334.9	1261.6
47.5°	1751.1	1748.4	1710.8	1614.6	1486.8	1405.5	1388.7	1433.0	1461.3	1455.2	1368.5
50°	1844.6	1849.3	1819.0	1727.6	1594.4	1497.6	1501.6	1556.1	1582.3	1579.0	1482.8
52.5°	1924.6	1917.9	1905.1	1818.4	1679.8	1591.1	1595.8	1661.0	1700.0	1698.0	1591.1
55°	1954.2	1952.2	1953.5	1882.9	1749.8	1667.7	1681.9	1774.0	1806.3	1802.2	1679.2
57.5°	1948.2	1946.8	1967.7	1921.3	1806.3	1728.3	1760.5	1866.8	1919.9	1914.5	1772.0
60°	1902.4	1896.4	1941.4	1924.6	1829.1	1765.9	1822.4	1948.2	2005.3	2004.0	1848.0
62.5°	1799.5	1809.0	1871.5	1887.0	1822.4	1785.4	1859.4	2011.4	2075.3	2070.6	1902.4
65°	1656.3	1679.8	1755.2	1809.0	1776.7	1767.9	1872.8	2039.6	2110.2	2109.6	1921.9
67°	1533.9	1550.1	1641.5	1710.1	1712.1	1732.3	1857.4	2040.3	2118.3	2112.2	1912.5
67.5°	1490.9	1512.4	1605.2	1688.6	1697.3	1722.2	1851.3	2038.9	2112.9	2109.6	1907.8
70°	1295.9	1320.7	1422.3	1527.2	1581.0	1634.8	1796.2	2001.3	2069.9	2062.5	1853.3
72.5°	1098.2	1133.1	1229.3	1353.7	1432.4	1521.1	1700.7	1907.1	1987.8	1972.4	1747.1
75°	908.5	932.1	1025.5	1160.0	1262.2	1382.6	1570.2	1780.0	1852.7	1839.9	1611.9
77.5°	724.3	745.8	835.9	971.1	1086.7	1221.9	1417.6	1620.7	1677.2	1669.8	1440.4
80°	571.6	587.1	673.8	794.2	913.2	1057.8	1243.4	1425.0	1462.0	1467.3	1251.5
82.5°	439.8	460.0	535.3	641.5	753.8	891.7	1053.1	1213.8	1254.8	1241.4	1057.8
85°	336.2	353.0	420.3	510.4	622.7	739.1	883.0	1014.8	1032.9	1017.5	857.4
87.5°	262.9	275.7	328.2	415.6	505.0	604.6	719.5	820.4	829.8	827.1	686.6
90°	203.8	215.2	258.9	328.2	410.2	495.6	585.7	656.3	651.6	655.7	541.3
92.5°	160.0	166.1	205.8	267.0	335.6	404.2	472.8	519.8	519.2	507.7	422.3
95°	129.8	133.2	167.4	218.6	273.7	328.2	379.3	409.5	408.2	396.1	329.5
97.5°	104.9	106.9	136.5	179.6	226.0	268.3	305.3	326.8	316.1	311.4	258.2
100°	86.1	87.4	113.0	150.0	188.3	224.6	250.8	259.6	244.8	242.1	203.1
102.5°	73.3	74.0	95.5	127.1	157.4	184.9	204.4	208.5	191.0	192.3	160.0
105°	62.5	63.2	80.0	108.3	133.8	154.7	168.8	166.8	152.7	150.6	127.8
107.5°	54.5	55.1	68.6	92.8	115.0	132.5	139.9	135.2	122.4	119.7	102.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	47.7	48.4	59.2	79.4	98.9	113.6	117.7	110.3	98.9	96.2	84.7
112.5°	43.0	43.0	51.8	68.6	86.1	98.2	99.5	92.1	79.4	78.0	70.6
115°	39.0	39.0	45.7	59.2	74.6	84.1	84.1	75.3	65.2	64.6	59.2
117.5°	35.6	35.6	40.3	51.8	64.6	72.6	71.3	63.2	54.5	53.8	51.1
120°	33.0	33.0	36.3	45.1	55.8	61.9	60.5	52.5	45.7	45.1	43.7
122.5°	30.3	30.9	33.0	39.7	48.4	53.1	51.8	45.1	39.0	38.3	38.3
125°	28.2	28.2	29.6	34.3	41.7	45.7	43.7	37.0	33.0	33.0	33.0
127.5°	26.2	26.2	26.9	30.3	35.6	38.3	36.3	30.9	28.9	28.2	28.9
130°	24.2	24.2	24.9	26.2	30.3	31.6	29.6	26.2	24.2	24.2	24.9
132.5°	22.2	22.2	22.2	22.9	24.9	26.2	24.2	21.5	20.8	20.8	21.5
135°	20.2	20.8	20.2	20.2	20.8	20.8	18.8	17.5	17.5	18.2	18.8
137.5°	18.2	18.2	17.5	16.8	16.8	16.1	14.8	14.1	14.8	14.8	15.5
140°	16.1	16.1	15.5	14.1	12.8	12.1	11.4	10.8	12.1	12.1	12.8
142.5°	14.1	14.1	12.8	11.4	9.4	8.1	7.4	8.1	9.4	9.4	10.1
145°	11.4	11.4	10.8	9.4	6.7	5.4	4.7	6.1	6.7	6.7	7.4
147.5°	9.4	8.7	8.1	6.7	4.7	3.4	2.7	4.0	4.7	4.7	5.4
150°	6.7	6.7	6.1	4.7	2.7	1.3	1.3	2.0	2.7	2.7	3.4
152.5°	4.7	4.7	4.0	2.7	1.3	0.0	0.7	1.3	1.3	1.3	2.0
155°	2.7	2.7	2.7	2.0	0.7	0.0	0.0	0.7	0.7	0.7	1.3
157.5°	1.3	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7	201.7
2.5°	203.1	201.7	200.4	198.4	197.0	195.7	194.3	193.7	193.7	193.0	193.7
5°	210.5	208.5	204.4	201.1	197.0	194.3	191.7	190.3	189.0	188.3	188.3
7.5°	223.9	221.2	214.5	208.5	202.4	197.7	194.3	191.0	189.6	189.0	189.0
10°	243.4	239.4	229.3	220.6	211.8	205.8	199.7	196.4	194.3	193.0	193.0
12.5°	271.0	264.3	251.5	236.7	225.3	217.2	209.8	206.4	205.8	205.8	205.8
15°	308.0	298.6	279.1	261.6	244.8	230.7	225.3	225.3	224.6	223.9	224.6
17.5°	346.3	335.6	311.4	289.2	268.3	254.2	245.5	243.4	242.8	242.1	242.8
20°	392.1	378.6	350.4	320.1	293.9	280.4	268.3	262.9	262.3	262.9	261.6
22.5°	443.8	429.0	387.3	351.0	322.1	303.3	289.2	281.8	283.1	283.1	282.4
25°	506.4	483.5	434.4	385.3	350.4	324.1	308.0	300.6	301.3	302.6	304.0
27.5°	569.6	543.4	480.8	421.0	375.2	345.0	326.2	318.1	317.4	321.4	320.8
30°	643.6	609.9	531.9	457.3	398.1	359.8	340.3	333.5	332.9	336.2	336.9
32.5°	722.9	681.2	585.1	493.6	418.3	372.6	350.4	345.7	344.3	347.7	348.3
35°	809.7	756.5	636.8	525.2	435.1	381.3	358.4	353.0	351.0	354.4	355.7
37.5°	893.7	831.9	690.0	553.4	448.5	386.7	361.8	357.8	355.1	357.1	357.8
40°	982.5	916.6	743.8	579.0	456.6	389.4	363.1	359.1	356.4	356.4	356.4
42.5°	1080.0	994.6	787.5	597.2	461.3	388.7	361.8	357.1	353.7	351.0	351.0
45°	1180.2	1078.7	832.5	612.0	462.0	385.3	358.4	354.4	349.0	343.6	343.0
47.5°	1277.7	1154.6	872.2	620.0	460.0	380.6	353.7	348.3	343.6	335.6	335.6
50°	1372.5	1230.6	905.2	624.1	453.9	375.2	349.0	343.6	337.6	326.8	325.5
52.5°	1459.3	1299.9	930.0	622.7	445.2	367.8	343.0	338.3	330.9	318.1	318.1
55°	1544.7	1363.8	945.5	614.0	434.4	359.8	337.6	332.9	324.8	311.4	310.0
57.5°	1614.6	1409.5	951.6	600.5	422.3	351.0	332.2	327.5	320.1	305.3	305.3
60°	1673.8	1447.8	947.5	583.0	408.9	343.0	325.5	322.8	316.1	301.9	301.9
62.5°	1708.1	1463.3	932.1	560.8	393.4	334.2	319.4	318.1	312.0	298.6	298.6
65°	1715.5	1453.2	900.4	533.3	377.9	324.1	312.7	312.0	308.0	295.2	293.9
67°	1695.3	1427.0	865.5	509.7	364.5	316.1	306.6	306.6	303.3	291.9	291.2
67.5°	1687.9	1416.9	856.1	503.7	361.8	314.7	305.3	306.0	302.6	291.2	289.2
70°	1623.4	1349.0	798.2	469.4	343.0	302.6	296.6	297.2	294.5	285.8	283.8
72.5°	1523.2	1251.5	730.3	436.4	324.1	290.5	284.5	287.1	284.5	277.7	273.7
75°	1388.0	1132.4	659.7	398.8	305.3	275.7	271.7	273.0	272.4	265.6	262.3
77.5°	1228.6	1001.3	584.4	363.8	284.5	260.9	256.9	258.9	257.6	251.5	247.5
80°	1055.8	862.8	511.8	328.8	262.9	244.1	240.1	240.7	240.1	234.0	228.6
82.5°	886.3	726.9	437.8	294.5	242.1	226.0	221.2	220.6	219.2	212.5	208.5
85°	731.7	597.2	373.9	261.6	220.6	205.8	201.7	199.1	197.0	189.6	186.9
87.5°	583.0	488.2	316.1	233.3	199.1	186.9	181.6	176.9	173.5	166.8	164.1
90°	465.4	393.4	269.7	204.4	179.6	168.8	161.4	155.3	151.3	143.9	139.9
92.5°	369.2	313.4	226.6	179.6	160.7	151.3	144.6	137.2	131.8	122.4	120.4
95°	292.5	252.2	191.0	157.4	142.6	134.5	128.4	120.4	113.0	103.6	101.5
97.5°	231.3	205.8	160.7	137.9	125.8	119.0	113.0	104.9	96.8	87.4	86.1
100°	184.9	165.4	137.9	120.4	112.3	105.6	99.5	92.1	82.0	72.6	72.6
102.5°	148.6	135.8	115.7	105.6	98.9	93.5	88.1	80.7	69.9	59.9	59.9
105°	120.4	112.3	99.5	92.1	87.4	83.4	78.0	69.3	58.5	50.4	50.4
107.5°	98.9	92.8	85.4	80.0	77.3	73.3	68.6	59.9	49.8	42.4	42.4



REPORT NUMBER: P416512

CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	82.0	78.0	72.6	70.6	68.6	65.2	59.9	51.8	41.7	36.3	36.3
112.5°	68.6	66.6	62.5	61.9	60.5	57.8	52.5	44.4	35.0	31.6	31.6
115°	58.5	57.2	54.5	54.5	53.1	51.1	45.7	38.3	30.3	26.9	27.6
117.5°	49.8	49.1	47.7	47.7	47.1	45.1	39.7	33.0	25.6	24.2	24.2
120°	43.7	43.0	42.4	41.7	41.7	39.0	34.3	27.6	22.2	21.5	21.5
122.5°	37.7	37.7	37.0	37.0	36.3	33.6	29.6	23.5	19.5	18.8	18.8
125°	33.0	33.0	32.3	32.3	31.6	29.6	25.6	20.2	16.8	16.8	16.8
127.5°	28.9	28.9	28.2	28.2	27.6	24.9	21.5	16.8	14.8	14.8	15.5
130°	25.6	25.6	24.9	24.2	23.5	21.5	17.5	14.1	12.8	13.4	13.4
132.5°	22.2	21.5	21.5	20.8	19.5	17.5	14.8	12.1	11.4	12.1	12.1
135°	18.8	18.8	18.2	17.5	16.1	14.8	12.1	10.1	10.1	10.8	10.8
137.5°	16.1	16.1	15.5	14.1	13.4	11.4	9.4	8.1	8.7	9.4	9.4
140°	12.8	13.4	12.8	11.4	10.1	8.7	7.4	6.7	7.4	8.1	8.7
142.5°	10.8	10.8	10.1	8.7	7.4	6.1	5.4	5.4	6.7	7.4	7.4
145°	8.1	8.1	7.4	6.7	4.7	4.0	3.4	4.7	5.4	6.1	6.1
147.5°	5.4	5.4	5.4	4.0	2.7	2.0	2.0	3.4	4.7	4.7	4.7
150°	3.4	3.4	3.4	2.7	1.3	0.7	1.3	2.7	3.4	4.0	4.0
152.5°	2.0	2.0	2.0	1.3	0.7	0.0	0.7	2.0	2.7	2.7	2.7
155°	1.3	1.3	1.3	0.7	0.7	0.0	0.7	1.3	2.0	2.0	2.0
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)