

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: P415003

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415003  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-727-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4130 lumens  
Efficiency: N/A  
Efficacy: 103.2 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 - G2

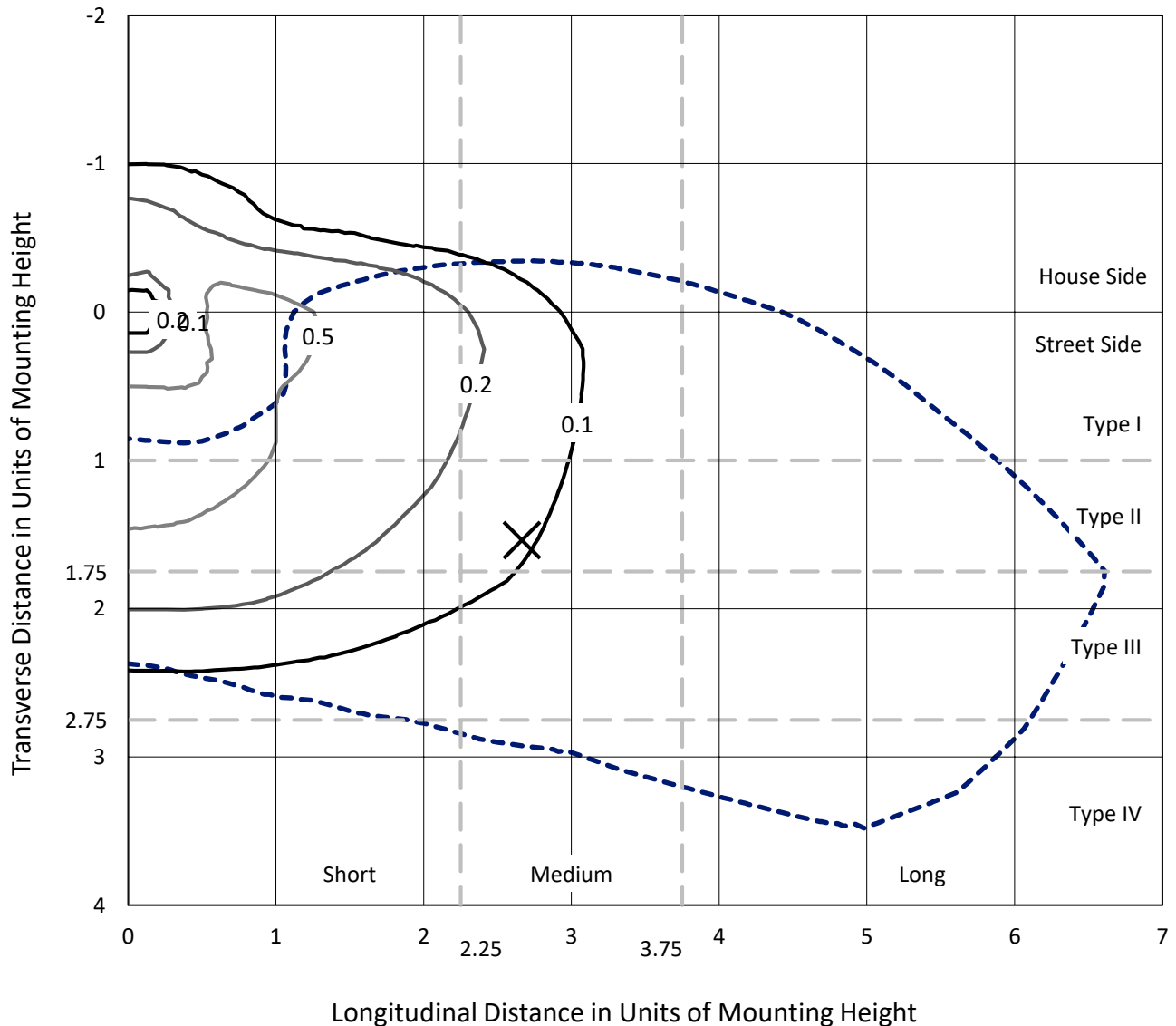
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

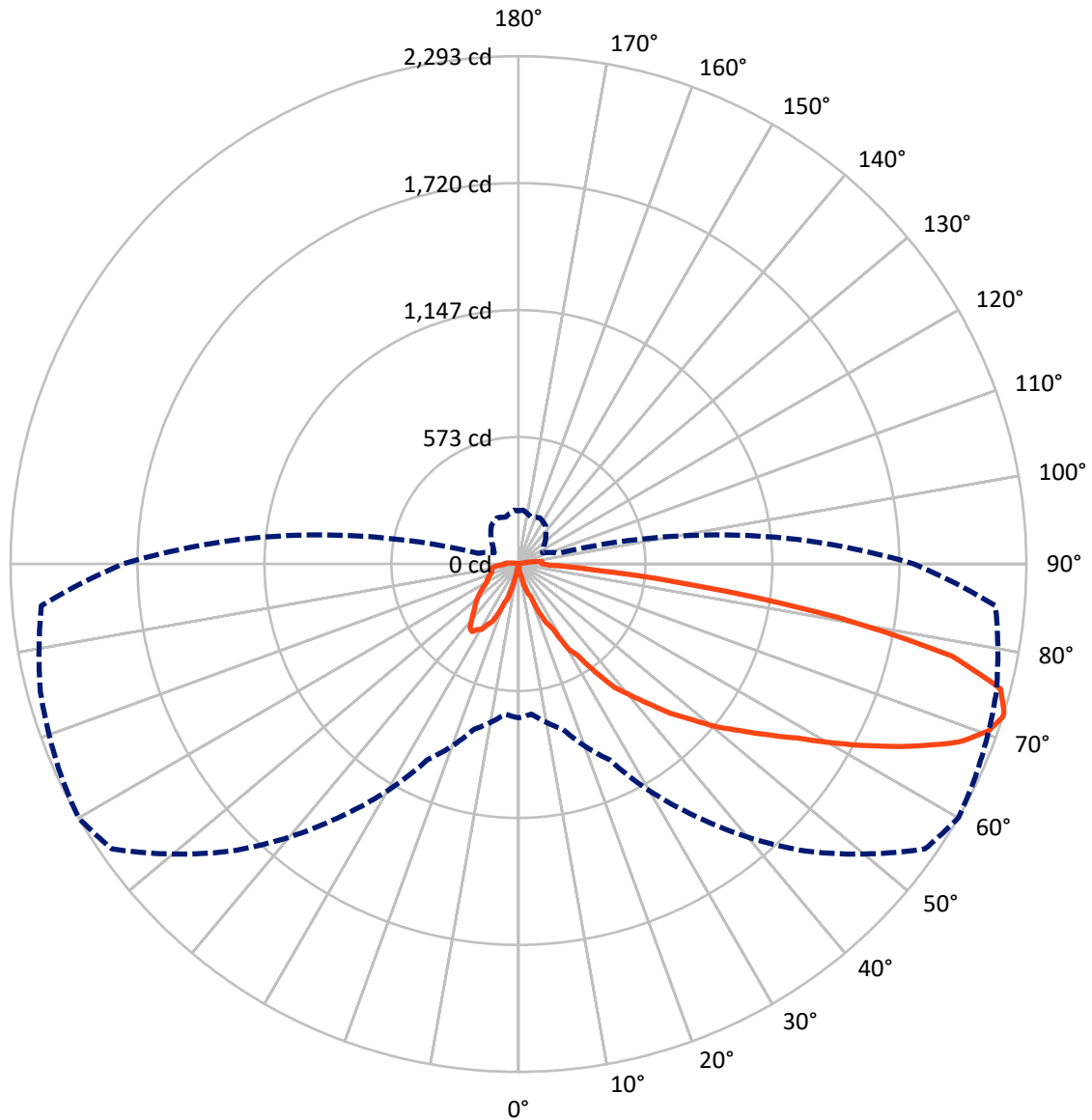
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	902.6	44.0	946.7
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	3144.7	38.7	3183.3
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	4047.3	82.7	4130.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	33.8	0.8
20°-30°	140.8	3.4
30°-40°	325.3	7.9
40°-50°	571.2	13.8
50°-60°	863.3	20.9
60°-70°	1064.4	25.8
70°-80°	821.8	19.9
80°-90°	224.5	5.4
90°-100°	61.0	1.5
100°-110°	10.6	0.3
110°-120°	4.1	0.1
120°-130°	2.9	0.1
130°-140°	1.9	0.0
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4047.3	98.0
0°-180°	4130.0	100.0



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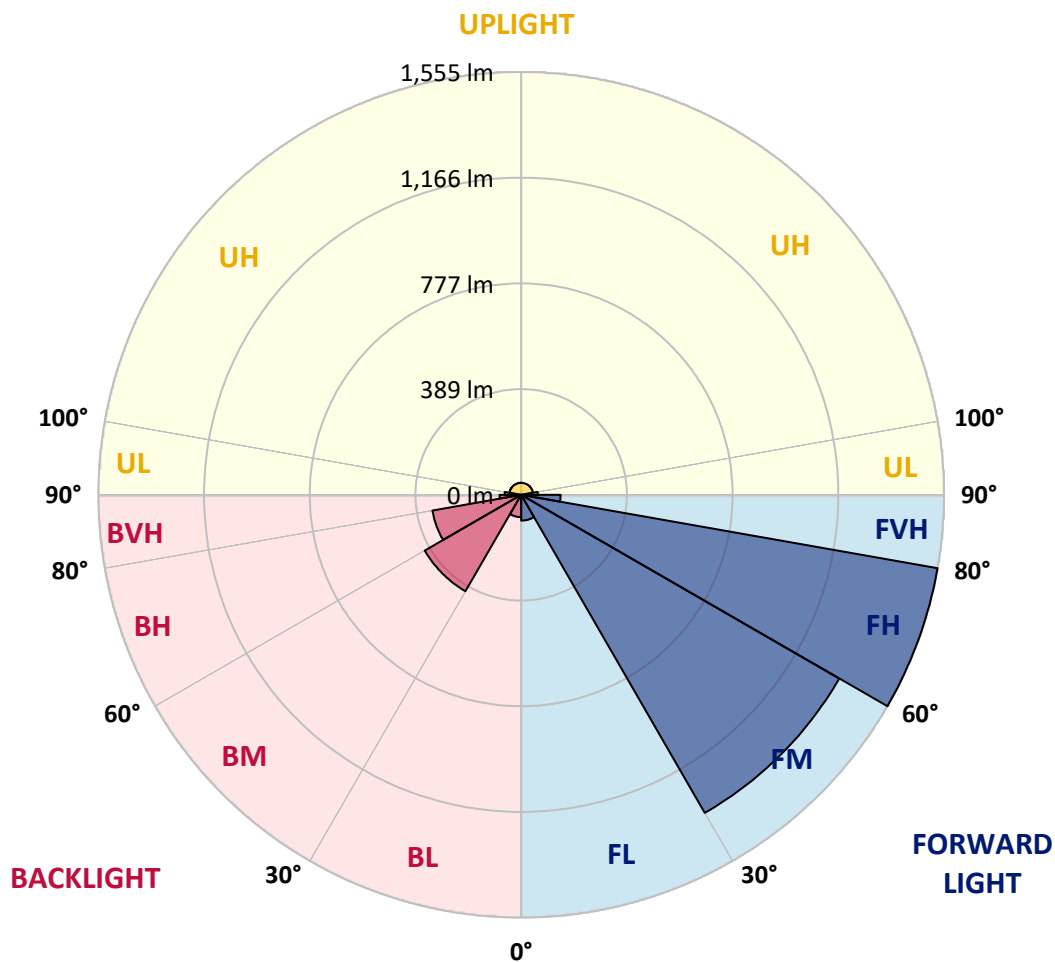
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.8	2.3			
FM	(30°-60°)	1350.3	32.7			
FH	(60°-80°)	1554.5	37.6			G1/1800
FVH	(80°-90°)	145.0	3.5			G2/225
BL	(0°-30°)	82.0	2.0	B0/110		
BM	(30°-60°)	409.4	9.9	B1/1000		
BH	(60°-80°)	331.7	8.0	B1/500		G1/500
BVH	(80°-90°)	79.5	1.9			G1/100
UL	(90°-100°)	61.0	1.5		U3/500	
UH	(100°-180°)	44.0	1.1		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	5.5	5.0	4.6	4.6	5.0	4.6	4.1	3.7	3.2	3.2	2.7
5°	51.3	49.9	49.4	39.8	18.3	14.2	6.4	5.0	4.1	3.2	2.7
7.5°	56.8	56.3	55.9	55.9	54.9	52.2	29.8	14.7	8.2	4.1	3.7
10°	65.0	64.1	61.3	60.0	58.6	57.7	53.6	50.8	22.9	6.9	6.0
12.5°	115.8	114.0	111.3	82.4	70.5	62.3	60.9	58.6	50.8	21.1	42.6
15°	124.5	124.1	122.2	120.9	117.2	77.8	94.3	107.6	121.8	99.3	110.8
17.5°	156.6	152.0	140.1	133.2	130.9	142.8	136.4	138.7	138.7	133.7	126.8
20°	234.0	230.7	224.8	198.2	149.3	184.0	180.4	153.4	158.0	195.5	227.1
22.5°	282.0	278.8	266.5	249.5	246.3	204.7	212.9	232.6	238.1	274.2	273.8
25°	382.7	376.8	350.2	300.3	306.7	264.2	297.1	292.6	278.4	302.2	310.4
27.5°	467.4	462.4	449.6	424.4	355.7	369.5	337.9	331.9	369.9	436.8	435.4
30°	560.8	533.4	499.0	491.3	440.4	418.9	427.2	446.8	461.0	467.4	483.5
32.5°	680.3	677.1	651.5	550.3	534.3	478.9	518.3	491.3	502.2	594.7	649.7
35°	763.2	771.4	726.1	665.7	589.7	588.3	571.8	598.8	651.5	664.3	702.3
37.5°	956.4	958.7	918.0	745.4	695.9	648.3	699.6	706.9	721.5	743.5	775.6
40°	1102.0	1081.4	1031.0	902.8	795.3	743.5	780.1	779.2	811.3	851.6	871.7
42.5°	1281.5	1258.6	1168.4	1023.3	922.5	865.3	869.0	861.2	887.7	951.4	963.7
45°	1432.1	1422.0	1352.4	1199.5	1063.1	994.4	969.7	960.1	973.4	1053.5	1060.3
47.5°	1574.5	1547.5	1502.1	1347.4	1267.3	1142.3	1071.3	1048.4	1052.6	1143.7	1163.8
50°	1725.1	1679.8	1623.9	1488.0	1429.8	1328.2	1188.1	1152.4	1153.7	1238.0	1272.3
52.5°	1814.4	1742.5	1706.3	1593.7	1535.1	1484.3	1310.3	1248.5	1254.9	1334.6	1386.8
55°	1759.0	1737.5	1738.4	1671.1	1627.6	1568.1	1428.9	1359.8	1367.1	1460.5	1526.0
57.5°	1665.6	1682.1	1740.2	1737.5	1713.2	1655.1	1547.0	1482.5	1524.6	1602.9	1672.0
60°	1593.7	1612.5	1706.8	1755.3	1800.7	1758.1	1669.3	1641.3	1680.7	1748.9	1831.8
62.5°	1473.8	1488.9	1618.4	1746.6	1798.4	1846.0	1785.5	1810.7	1846.9	1904.6	2005.3
65°	1309.9	1306.2	1467.4	1667.0	1783.3	1895.0	1935.3	1981.5	2014.5	2076.3	2167.8
67.5°	1116.2	1134.5	1270.0	1495.3	1724.2	1919.7	2061.2	2145.9	2166.5	2190.3	2256.2
70°	911.5	910.6	1029.2	1268.7	1597.4	1906.0	2180.7	2253.9	2254.4	2240.2	2259.9
72°	695.0	680.3	771.9	976.1	1387.2	1832.2	2242.0	2293.3	2276.3	2234.2	2162.3
72.5°	596.6	609.8	695.9	919.3	1292.9	1795.6	2248.4	2292.8	2274.5	2228.3	2133.0
75°	302.6	283.4	332.4	492.6	891.9	1450.9	2202.2	2248.0	2196.7	2139.0	1870.2
77.5°	118.6	121.8	141.0	212.9	434.0	955.5	1900.9	2000.7	1967.8	1927.0	1475.1
80°	83.3	83.3	94.3	121.3	222.5	388.2	1317.2	1462.3	1513.1	1533.3	986.6
82.5°	60.4	61.3	71.9	84.7	158.9	186.3	646.9	812.7	892.8	967.9	551.7
85°	56.3	56.3	57.7	56.8	113.5	132.8	235.3	347.0	401.1	470.2	223.0
87.5°	26.6	28.8	42.6	33.9	55.9	82.0	128.2	139.2	142.4	161.6	160.2
90°	17.4	17.4	14.2	14.7	27.5	66.4	103.0	105.3	101.2	118.6	149.3
92.5°	17.9	18.3	13.3	13.7	21.5	60.9	105.8	107.6	104.4	124.5	158.4
95°	16.5	16.5	11.4	11.9	16.9	46.7	105.8	107.6	98.4	124.1	158.4
97.5°	13.7	14.2	9.2	9.6	13.3	22.9	73.3	78.7	62.7	63.2	77.4
100°	11.9	11.9	7.3	7.8	9.6	10.5	37.1	38.9	34.8	15.6	10.5
102.5°	11.9	11.9	6.4	6.4	6.4	6.0	11.4	19.2	16.0	9.2	10.1
105°	11.4	11.9	6.0	5.0	5.0	4.6	6.0	7.3	7.3	7.3	10.5
107.5°	9.2	9.6	4.6	4.6	4.1	4.1	3.2	3.2	4.6	6.9	11.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	7.3	7.3	3.7	4.1	3.2	3.7	2.7	2.7	4.1	5.0	8.7
112.5°	4.1	4.1	2.7	3.2	2.7	3.2	2.7	2.7	3.2	4.1	5.5
115°	3.7	3.7	2.3	2.3	2.3	2.3	2.3	2.3	2.7	3.7	6.0
117.5°	3.7	3.7	2.3	2.3	2.3	1.8	1.8	2.3	2.3	3.7	6.0
120°	3.7	3.7	2.3	2.3	1.8	1.8	1.8	2.3	2.3	3.7	6.0
122.5°	4.1	3.7	2.3	1.8	1.8	1.8	1.8	1.8	2.3	3.2	6.0
125°	4.1	3.7	2.7	1.8	1.8	1.8	1.8	1.8	2.3	3.2	5.0
127.5°	4.1	4.1	2.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	4.6
130°	4.1	3.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	4.1
132.5°	3.7	3.7	2.7	1.8	2.3	1.8	1.8	1.8	1.8	2.3	3.2
135°	3.2	3.2	2.3	2.3	2.3	1.8	1.8	1.8	1.8	1.8	2.7
137.5°	3.2	3.2	2.7	2.3	2.3	2.3	1.8	1.8	1.8	1.8	2.3
140°	3.2	3.2	2.7	2.7	2.7	2.3	1.8	1.8	1.8	2.3	2.3
142.5°	3.7	3.7	3.2	2.7	2.7	2.3	1.8	1.8	2.3	2.3	2.3
145°	4.1	4.1	3.7	3.2	2.7	1.8	1.8	2.3	2.3	2.3	2.7
147.5°	4.1	4.1	3.7	2.7	2.3	1.8	1.8	2.3	2.3	2.7	2.7
150°	3.7	3.7	3.2	2.3	1.8	1.4	1.8	1.8	2.3	2.7	2.7
152.5°	2.7	2.7	2.3	1.8	1.4	0.9	1.4	1.8	1.8	2.3	2.7
155°	1.8	1.8	1.4	0.9	0.9	0.9	1.4	1.4	1.4	1.8	2.3
157.5°	0.9	0.9	0.5	0.5	0.9	0.9	0.9	1.4	1.4	1.4	1.8
160°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	1.4	1.4	1.4	1.4
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°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.2	3.2	3.2	3.7	4.1
5°	2.7	2.7	2.7	2.7	3.2	3.7	4.1	4.6	5.0	5.5	5.5
7.5°	3.2	3.2	3.2	3.7	4.1	5.0	11.4	40.3	54.9	60.0	58.6
10°	6.0	6.0	5.5	5.5	6.4	53.6	68.2	74.2	77.4	81.0	81.0
12.5°	47.6	54.9	19.7	11.0	53.1	75.1	80.6	84.7	87.4	91.1	91.1
15°	114.9	116.7	120.0	108.0	104.4	85.2	88.8	120.4	158.4	168.5	169.4
17.5°	129.1	131.4	133.7	158.4	168.5	130.5	150.2	168.9	172.6	176.3	176.3
20°	246.3	250.0	202.8	181.8	177.6	221.1	169.9	174.4	180.8	213.3	216.6
22.5°	279.3	281.6	263.7	275.2	201.4	231.2	223.4	223.4	250.0	251.8	252.3
25°	313.2	326.0	292.1	282.9	286.6	234.0	263.7	238.1	241.7	244.5	244.9
27.5°	456.9	455.1	427.6	323.7	287.5	283.4	255.9	234.9	274.7	285.2	285.7
30°	485.8	481.2	456.5	379.1	298.5	280.7	241.3	271.5	264.2	265.5	266.0
32.5°	668.0	660.7	590.6	383.7	311.8	259.1	261.9	252.7	253.6	282.0	282.9
35°	713.8	703.7	605.3	443.6	297.1	262.8	242.2	253.6	258.2	256.8	256.8
37.5°	775.1	755.9	600.7	417.1	309.0	245.9	231.7	239.4	236.7	254.1	253.2
40°	842.0	814.9	603.0	386.9	280.2	230.7	222.0	228.9	227.1	222.0	218.4
42.5°	927.1	880.4	602.5	361.7	253.6	225.7	209.7	209.2	201.4	193.2	190.5
45°	1014.1	949.5	604.3	332.8	233.5	221.6	202.8	191.8	185.0	176.3	174.0
47.5°	1109.3	1023.3	609.8	310.0	217.9	209.2	194.1	180.8	175.8	164.8	163.9
50°	1222.0	1100.6	611.7	291.6	199.6	198.2	187.7	173.1	165.3	154.3	153.4
52.5°	1343.3	1182.6	614.9	264.6	185.4	194.1	191.4	171.2	168.0	153.8	152.9
55°	1458.2	1260.4	614.0	232.1	179.0	190.5	191.4	183.1	178.1	154.7	152.9
57.5°	1596.5	1344.7	600.2	201.9	168.9	185.0	200.5	193.7	188.2	168.9	165.3
60°	1720.1	1431.6	559.5	178.6	160.2	179.0	208.3	201.4	185.9	173.5	169.9
62.5°	1864.7	1506.7	502.7	161.6	157.0	180.8	211.1	206.5	187.3	183.1	181.8
65°	1962.7	1535.1	416.6	147.9	156.6	180.8	210.1	211.1	197.3	201.4	201.0
67.5°	1974.6	1498.5	315.9	137.3	151.1	180.8	208.8	220.2	206.5	223.4	224.3
70°	1917.4	1406.9	230.3	126.8	145.1	178.6	209.2	226.2	213.3	239.9	238.1
72°	1785.5	1268.2	186.3	120.0	140.1	174.9	212.4	229.4	219.3	244.0	239.9
72.5°	1751.2	1225.6	178.1	119.0	139.2	174.4	213.3	230.3	219.8	248.1	243.1
75°	1465.5	976.1	152.9	112.2	140.6	172.1	217.9	229.8	222.5	250.9	251.8
77.5°	1110.2	657.9	135.5	106.2	140.1	168.0	216.6	226.2	218.4	241.3	246.3
80°	687.2	382.7	120.4	105.8	139.2	166.2	210.6	216.6	206.9	225.3	226.6
82.5°	375.9	223.9	104.4	103.9	135.1	161.2	199.2	205.6	196.4	216.6	202.4
85°	192.3	152.0	78.3	85.2	118.1	151.5	185.9	185.4	176.3	183.6	173.5
87.5°	148.3	119.5	50.8	61.3	96.6	125.0	152.9	151.5	139.6	140.6	136.4
90°	136.4	106.7	33.4	43.5	80.6	89.7	106.2	102.1	93.9	95.7	94.3
92.5°	137.3	105.3	32.0	46.2	77.4	80.6	97.5	92.5	84.2	85.2	82.4
95°	134.1	101.2	32.0	40.7	64.1	57.2	70.0	68.2	61.3	58.1	56.8
97.5°	64.1	50.4	29.8	30.2	36.2	31.1	42.6	45.8	36.6	29.3	29.3
100°	11.0	16.9	26.1	30.7	26.1	19.7	27.0	31.1	21.1	9.6	10.5
102.5°	11.0	10.5	20.1	26.1	18.8	10.5	15.6	20.6	13.3	7.3	7.8
105°	11.9	11.0	9.6	17.9	11.0	5.5	6.0	10.5	7.3	7.3	7.3
107.5°	12.8	11.9	6.9	6.9	5.5	5.0	4.6	4.1	5.0	7.3	7.8



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.6	9.6	6.4	5.5	5.0	5.0	3.7	3.7	5.0	7.8	7.8
112.5°	6.9	6.9	5.5	4.6	4.1	5.0	3.7	3.7	4.6	7.8	8.2
115°	6.9	6.9	5.0	4.1	3.7	4.1	3.7	3.2	4.6	7.8	8.2
117.5°	6.9	6.9	5.0	3.7	3.2	3.2	2.7	3.2	4.6	7.8	8.2
120°	6.9	6.9	5.0	3.7	3.2	2.7	2.7	2.7	4.6	7.8	8.2
122.5°	6.4	6.4	4.6	3.2	2.7	2.3	2.3	2.7	4.1	7.3	7.8
125°	6.0	6.0	4.1	3.2	2.7	2.3	2.3	2.3	4.1	6.9	7.3
127.5°	5.5	5.5	4.1	2.7	2.3	2.3	2.3	2.3	3.7	6.4	6.9
130°	4.6	4.6	3.7	2.7	2.3	1.8	2.3	2.3	3.7	6.0	6.0
132.5°	3.7	3.7	2.7	2.3	2.3	1.8	1.8	2.3	3.2	5.0	5.5
135°	2.7	2.7	2.7	2.3	2.3	1.8	1.8	1.8	2.7	4.1	4.6
137.5°	2.3	2.7	2.3	2.3	2.3	1.8	1.8	1.8	2.7	3.7	3.7
140°	2.3	2.3	2.3	2.3	2.3	1.8	1.8	1.8	2.7	3.2	3.7
142.5°	2.3	2.7	2.3	2.3	2.3	1.8	1.8	2.3	2.7	3.7	3.7
145°	2.7	2.7	2.7	2.3	2.3	1.4	1.4	2.3	2.7	3.7	3.7
147.5°	2.7	2.7	2.7	2.3	1.8	1.4	1.4	1.8	2.7	3.7	3.7
150°	2.7	2.7	2.7	2.3	1.8	0.9	0.9	1.8	2.3	3.2	3.7
152.5°	2.7	2.7	2.3	2.3	1.4	0.9	0.5	1.4	1.8	2.7	2.7
155°	2.3	2.3	2.3	1.8	1.4	0.5	0.0	0.5	1.4	2.3	2.3
157.5°	1.8	1.8	1.8	1.4	0.9	0.5	0.0	0.5	0.5	1.4	1.4
160°	1.4	1.4	1.4	1.4	0.9	0.5	0.0	0.0	0.5	0.9	0.9
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)