

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: P413903

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413903  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-750-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9254 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

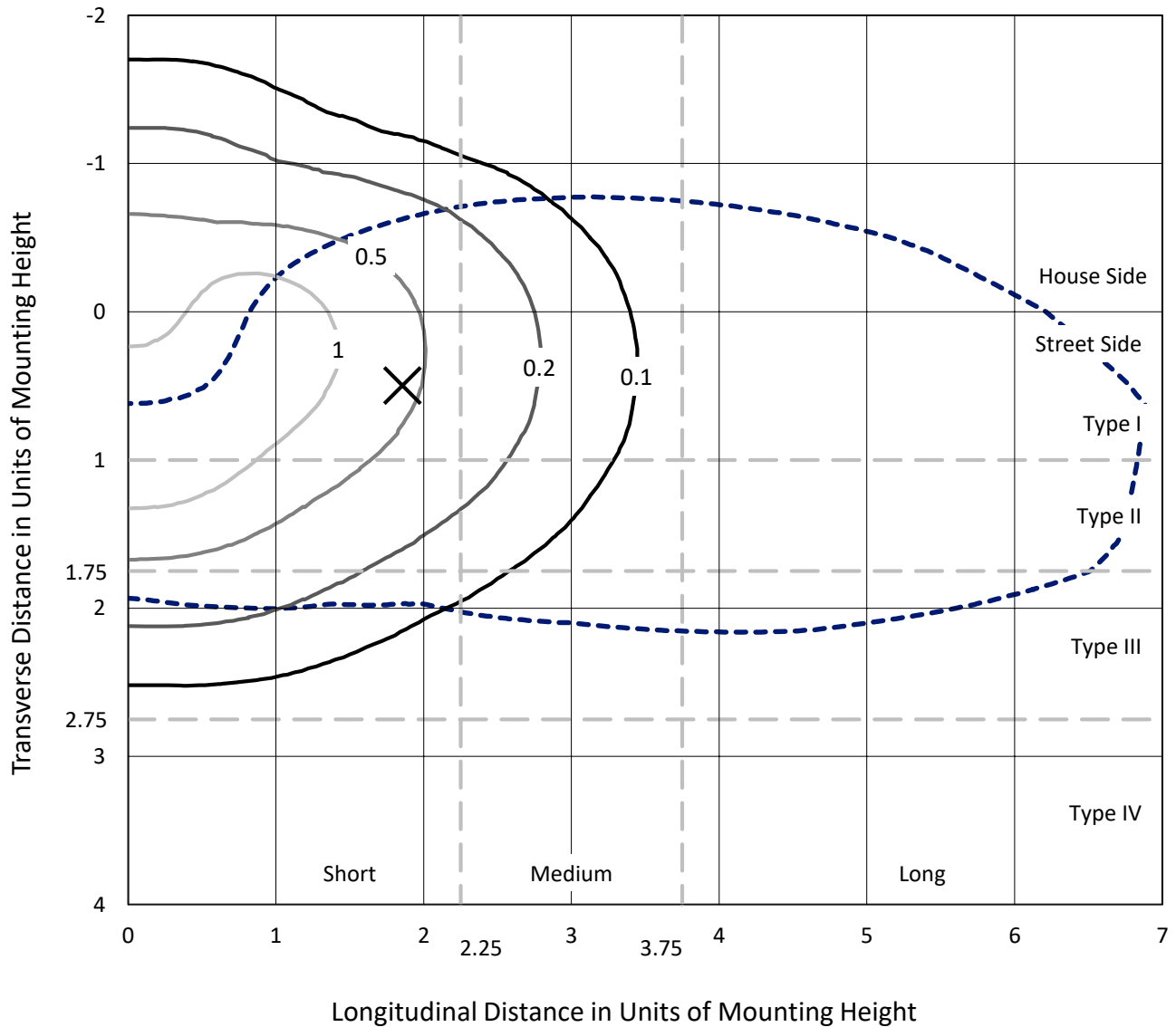
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

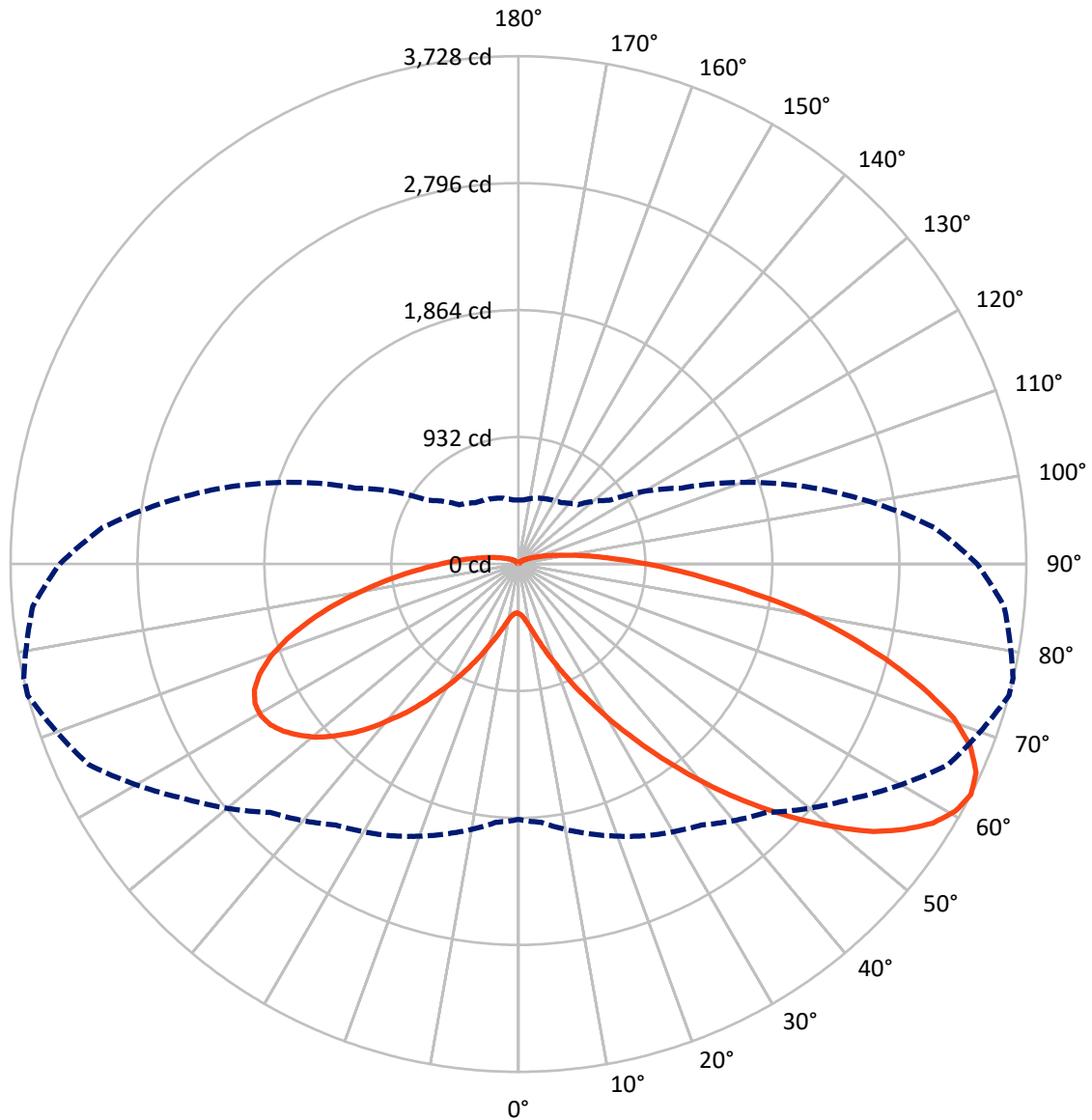
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



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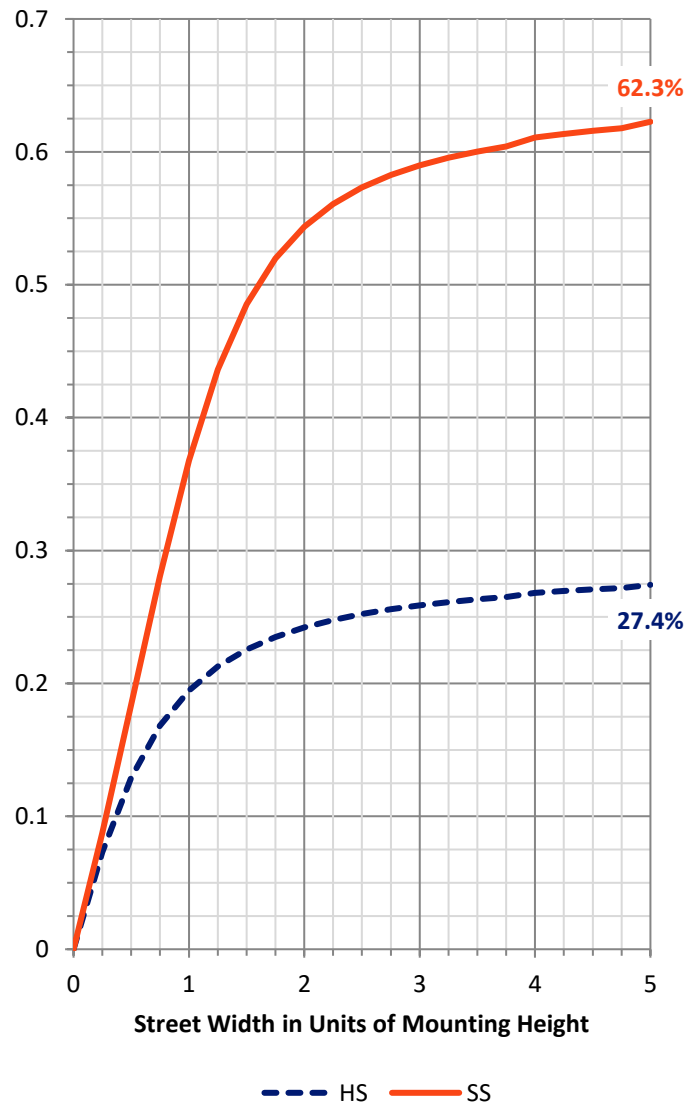
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2646.4	281.4	2927.8
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	5939.8	386.3	6326.2
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	8586.3	667.8	9254.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.3	0.4
10°-20°	161.0	1.7
20°-30°	416.7	4.5
30°-40°	852.7	9.2
40°-50°	1414.1	15.3
50°-60°	1834.4	19.8
60°-70°	1806.7	19.5
70°-80°	1327.6	14.3
80°-90°	734.7	7.9
90°-100°	347.0	3.7
100°-110°	165.8	1.8
110°-120°	84.6	0.9
120°-130°	43.8	0.5
130°-140°	20.1	0.2
140°-150°	5.9	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8586.3	92.8
0°-180°	9254.0	100.0



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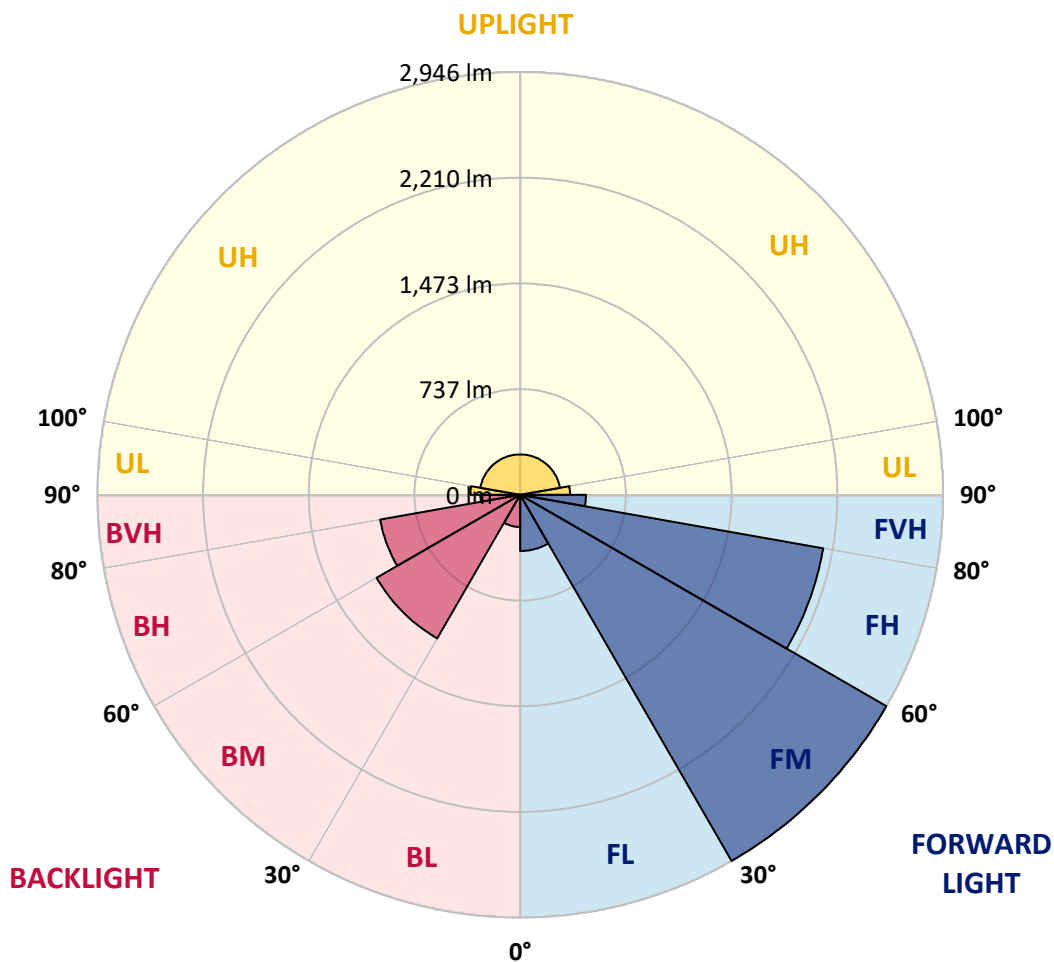
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.5	4.2			
FM	(30°-60°)	2946.0	31.8			
FH	(60°-80°)	2144.4	23.2			G2/5000
FVH	(80°-90°)	457.9	4.9			G3/500
BL	(0°-30°)	224.5	2.4	B1/500		
BM	(30°-60°)	1155.2	12.5	B2/2500		
BH	(60°-80°)	989.9	10.7	B2/1000		G2/1000
BVH	(80°-90°)	276.8	3.0			G3/500
UL	(90°-100°)	347.0	3.7		U3/500	
UH	(100°-180°)	281.4	3.0		U3/500	

**BUG Rating: B2-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6
2.5°	405.0	401.8	399.6	396.3	394.1	389.8	385.4	378.8	373.4	372.3	367.9
5°	447.6	442.2	442.2	436.7	429.1	423.6	414.9	403.9	395.2	389.8	385.4
7.5°	502.2	497.8	492.4	488.0	480.4	470.5	458.5	444.3	426.9	423.6	412.7
10°	563.3	561.2	556.8	548.1	538.2	525.1	508.8	491.3	471.6	468.4	449.8
12.5°	644.1	644.1	637.6	625.6	611.4	587.4	573.2	554.6	531.7	528.4	502.2
15°	743.5	739.1	730.4	709.6	693.3	673.6	656.1	632.1	601.6	596.1	572.1
17.5°	852.7	843.9	839.6	819.9	798.1	774.0	750.0	723.8	690.0	681.3	652.9
20°	974.9	980.4	964.0	942.2	909.4	885.4	858.1	824.3	787.1	780.6	746.8
22.5°	1128.9	1124.5	1101.6	1071.0	1039.3	1013.1	978.2	944.4	894.1	887.6	848.3
25°	1299.2	1294.8	1265.3	1227.1	1191.1	1144.2	1103.8	1067.7	1026.2	1016.4	969.5
27.5°	1466.2	1488.1	1443.3	1396.3	1353.8	1301.4	1253.3	1207.5	1160.5	1152.9	1103.8
30°	1694.4	1699.9	1647.4	1583.0	1525.2	1459.7	1409.4	1368.0	1327.6	1302.5	1257.7
32.5°	1932.4	1914.9	1873.4	1794.8	1703.1	1630.0	1574.3	1536.1	1497.9	1484.8	1419.3
35°	2168.2	2168.2	2103.8	1997.9	1877.8	1803.6	1749.0	1726.1	1691.1	1670.4	1597.2
37.5°	2399.7	2396.4	2330.9	2206.4	2083.1	1981.5	1946.6	1920.4	1896.4	1875.6	1786.1
40°	2627.8	2622.4	2543.8	2422.6	2278.5	2173.7	2145.3	2149.6	2121.3	2092.9	2003.4
42.5°	2811.2	2809.1	2746.8	2625.7	2453.2	2360.4	2332.0	2358.2	2345.1	2317.8	2213.0
45°	2957.5	2947.7	2898.6	2775.2	2619.1	2520.8	2528.5	2591.8	2576.5	2563.4	2433.5
47.5°	3018.7	3017.6	2990.3	2883.3	2739.2	2670.4	2714.1	2802.5	2808.0	2797.1	2651.9
50°	3002.3	3006.7	3004.5	2939.0	2821.1	2786.1	2870.2	3020.9	3038.3	3027.4	2877.8
52.5°	2906.2	2908.4	2944.4	2916.1	2849.5	2859.3	3008.9	3202.1	3263.2	3233.8	3077.6
55°	2703.2	2730.5	2801.4	2817.8	2809.1	2875.7	3091.8	3346.2	3439.0	3429.2	3251.2
57.5°	2493.6	2480.4	2582.0	2660.6	2706.4	2832.0	3119.1	3448.8	3588.6	3575.5	3406.3
60°	2187.9	2207.5	2332.0	2444.4	2541.6	2727.2	3094.0	3503.4	3685.7	3678.1	3519.8
62.5°	1875.6	1904.0	2051.4	2201.0	2339.6	2578.7	3000.1	3482.7	3728.3	3727.2	3579.8
65°	1581.9	1612.5	1747.9	1929.1	2106.0	2377.8	2836.4	3394.2	3692.3	3694.5	3568.9
67.5°	1321.0	1337.4	1479.3	1679.1	1851.6	2142.0	2625.7	3219.6	3578.7	3590.8	3481.6
70°	1088.5	1100.5	1238.0	1416.0	1615.8	1878.9	2370.2	2995.8	3388.8	3393.1	3324.4
72.5°	893.0	904.0	1036.1	1194.4	1378.9	1648.5	2107.1	2690.1	3102.7	3146.4	3082.0
75°	714.0	735.8	849.4	1003.3	1168.2	1408.4	1828.7	2361.4	2781.8	2818.9	2809.1
77.5°	581.9	611.4	702.0	834.1	985.8	1194.4	1550.3	2037.2	2442.2	2472.8	2480.4
80°	469.5	491.3	581.9	698.7	827.5	1008.8	1295.9	1720.6	2100.5	2103.8	2100.5
82.5°	381.0	397.4	478.2	584.1	697.6	848.3	1086.3	1435.6	1722.8	1757.7	1764.3
85°	310.1	322.1	391.9	486.9	583.0	710.7	896.3	1172.5	1399.6	1435.6	1423.6
87.5°	248.9	265.3	321.0	401.8	491.3	592.8	745.7	948.7	1130.0	1145.2	1143.1
90°	204.2	209.6	265.3	334.1	414.9	492.4	609.2	764.2	899.6	926.9	908.3
92.5°	164.9	173.6	220.5	282.8	346.1	413.8	505.5	627.8	711.8	728.2	719.5
95°	138.7	143.0	185.6	236.9	291.5	352.6	417.0	501.1	563.3	568.8	571.0
97.5°	115.7	120.1	155.0	202.0	248.9	298.0	347.2	409.4	450.9	449.8	446.5
100°	99.3	101.5	133.2	175.8	217.3	253.3	291.5	329.7	354.8	362.5	350.5
102.5°	86.2	87.3	114.6	151.8	186.7	218.3	246.7	274.0	283.9	284.9	279.5
105°	76.4	77.5	100.4	131.0	162.7	186.7	208.5	224.9	229.3	229.3	222.7
107.5°	67.7	68.8	86.2	115.7	144.1	163.8	179.0	187.8	185.6	184.5	180.1
110°	62.2	62.2	76.4	102.6	125.6	143.0	155.0	156.1	150.7	150.7	146.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	56.8	56.8	67.7	90.6	111.4	126.6	134.3	132.1	124.5	122.3	122.3
115°	52.4	52.4	60.0	79.7	99.3	111.4	116.8	111.4	102.6	101.5	100.4
117.5°	49.1	49.1	54.6	71.0	87.3	98.3	101.5	96.1	86.2	85.2	85.2
120°	45.9	45.9	50.2	62.2	77.5	86.2	88.4	81.9	72.1	72.1	73.1
122.5°	43.7	43.7	45.9	55.7	68.8	76.4	76.4	69.9	61.1	61.1	62.2
125°	41.5	41.5	42.6	49.1	60.0	66.6	65.5	57.9	52.4	52.4	53.5
127.5°	39.3	39.3	39.3	43.7	52.4	57.9	56.8	49.1	44.8	44.8	46.9
130°	37.1	37.1	36.0	38.2	44.8	49.1	46.9	41.5	38.2	38.2	40.4
132.5°	34.9	34.9	32.8	33.8	38.2	40.4	38.2	33.8	32.8	32.8	33.8
135°	32.8	31.7	30.6	29.5	31.7	32.8	30.6	27.3	27.3	27.3	29.5
137.5°	29.5	29.5	27.3	25.1	25.1	25.1	24.0	20.7	21.8	22.9	24.0
140°	27.3	27.3	25.1	21.8	19.7	19.7	17.5	16.4	17.5	18.6	19.7
142.5°	24.0	24.0	21.8	18.6	15.3	13.1	12.0	10.9	13.1	14.2	14.2
145°	20.7	20.7	18.6	14.2	10.9	7.6	6.6	7.6	8.7	9.8	10.9
147.5°	17.5	16.4	14.2	10.9	5.5	3.3	2.2	4.4	5.5	5.5	6.6
150°	13.1	13.1	10.9	7.6	3.3	0.0	1.1	2.2	3.3	3.3	4.4
152.5°	9.8	8.7	7.6	4.4	0.0	0.0	0.0	0.0	1.1	2.2	2.2
155°	5.5	5.5	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	1.1	0.0	0.0	0.0	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°	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6
2.5°	365.7	362.5	358.1	354.8	351.5	347.2	345.0	341.7	341.7	341.7	343.9
5°	378.8	374.5	364.6	355.9	347.2	340.6	334.1	329.7	327.5	325.3	326.4
7.5°	402.9	397.4	382.1	366.8	354.8	342.8	334.1	326.4	323.2	322.1	322.1
10°	440.0	430.1	407.2	386.5	369.0	352.6	340.6	330.8	326.4	323.2	323.2
12.5°	490.2	476.0	448.7	420.3	394.1	372.3	354.8	347.2	343.9	341.7	342.8
15°	556.8	541.5	500.0	462.9	429.1	399.6	383.2	375.6	371.2	369.0	367.9
17.5°	634.3	612.5	562.2	514.2	471.6	438.9	418.1	406.1	398.5	394.1	395.2
20°	719.5	691.1	626.7	574.3	519.7	486.9	455.3	435.6	425.8	423.6	424.7
22.5°	815.5	786.1	711.8	635.4	578.6	529.5	491.3	466.2	454.2	453.1	453.1
25°	929.1	889.8	802.4	706.4	633.2	571.0	526.2	495.7	482.6	478.2	478.2
27.5°	1057.9	1005.5	897.4	787.1	686.7	608.1	555.7	520.8	506.6	503.3	503.3
30°	1199.8	1145.2	1007.7	863.6	738.0	640.9	581.9	544.8	526.2	521.9	522.9
32.5°	1355.9	1285.0	1111.4	945.5	782.8	667.1	599.4	562.2	541.5	536.0	536.0
35°	1525.2	1442.2	1234.8	1025.2	825.4	687.8	612.5	574.3	551.3	545.9	544.8
37.5°	1715.1	1611.4	1362.5	1098.3	859.2	700.9	621.2	581.9	556.8	549.1	548.1
40°	1913.8	1794.8	1480.4	1164.9	887.6	708.5	623.4	585.2	559.0	547.0	545.9
42.5°	2099.4	1968.4	1614.7	1226.0	905.1	711.8	622.3	584.1	556.8	540.4	539.3
45°	2304.7	2144.2	1738.1	1281.7	916.0	709.6	617.9	578.6	552.4	531.7	529.5
47.5°	2519.8	2335.2	1851.6	1322.1	920.3	703.1	612.5	574.3	544.8	521.9	519.7
50°	2714.1	2499.0	1957.5	1353.8	918.2	693.3	603.7	567.7	538.2	512.0	509.8
52.5°	2904.0	2670.4	2040.5	1371.2	907.2	682.3	596.1	560.1	530.6	503.3	500.0
55°	3076.5	2805.8	2114.7	1378.9	893.0	668.1	585.2	553.5	524.0	494.6	491.3
57.5°	3209.7	2933.5	2169.3	1369.1	871.2	651.8	574.3	543.7	516.4	486.9	483.6
60°	3308.0	3017.6	2194.4	1350.5	846.1	633.2	561.2	533.9	508.8	480.4	477.1
62.5°	3366.9	3064.5	2189.0	1317.7	814.4	614.7	549.1	524.0	501.1	472.7	470.5
65°	3357.1	3046.0	2147.5	1265.3	780.6	590.6	530.6	510.9	490.2	464.0	460.7
67.5°	3277.4	2970.6	2063.4	1199.8	742.4	566.6	513.1	493.5	476.0	453.1	446.5
70°	3135.5	2832.0	1942.2	1117.9	698.7	539.3	492.4	473.8	458.5	436.7	430.1
72.5°	2896.4	2630.0	1788.3	1032.8	651.8	507.7	465.1	449.8	433.4	416.0	408.3
75°	2623.5	2376.7	1607.1	932.4	601.6	476.0	436.7	421.4	406.1	387.6	381.0
77.5°	2326.5	2089.6	1419.3	843.9	550.2	440.0	405.0	391.9	376.7	357.0	349.4
80°	1971.7	1782.8	1219.5	742.4	498.9	405.0	372.3	358.1	341.7	323.2	315.5
82.5°	1651.8	1484.8	1035.0	650.7	447.6	369.0	340.6	319.9	304.6	286.0	272.9
85°	1350.5	1233.7	867.9	559.0	399.6	331.9	303.5	286.0	268.6	246.7	238.0
87.5°	1086.3	986.9	712.9	482.6	352.6	295.9	269.7	252.2	232.5	209.6	202.0
90°	859.2	798.1	592.8	414.9	312.2	265.3	239.1	220.5	198.7	178.0	173.6
92.5°	681.3	638.7	490.2	352.6	275.1	234.7	210.7	192.1	170.3	149.6	143.0
95°	548.1	506.6	401.8	307.9	241.3	206.3	185.6	168.1	146.3	125.6	121.2
97.5°	437.8	405.0	329.7	258.7	211.8	183.4	164.9	146.3	124.5	105.9	103.7
100°	342.8	323.2	272.9	222.7	186.7	162.7	145.2	128.8	107.0	88.4	87.3
102.5°	274.0	263.1	227.1	192.1	163.8	144.1	129.9	112.4	92.8	75.3	74.2
105°	220.5	214.0	188.9	164.9	145.2	128.8	115.7	98.3	78.6	64.4	64.4
107.5°	179.0	173.6	158.3	140.8	127.7	115.7	101.5	86.2	67.7	55.7	55.7
110°	146.3	144.1	134.3	122.3	112.4	102.6	89.5	74.2	57.9	49.1	49.1



REPORT NUMBER: P413903

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	122.3	121.2	113.5	107.0	99.3	90.6	79.7	65.5	50.2	42.6	43.7
115°	101.5	101.5	97.2	92.8	87.3	80.8	69.9	55.7	42.6	38.2	38.2
117.5°	86.2	85.2	84.1	80.8	77.5	71.0	60.0	48.0	36.0	33.8	34.9
120°	74.2	74.2	72.1	71.0	67.7	61.1	52.4	40.4	30.6	30.6	30.6
122.5°	63.3	64.4	62.2	61.1	59.0	54.6	44.8	33.8	27.3	26.2	27.3
125°	55.7	55.7	54.6	53.5	51.3	45.9	38.2	28.4	22.9	24.0	24.0
127.5°	46.9	48.0	46.9	45.9	44.8	39.3	31.7	22.9	19.7	20.7	20.7
130°	41.5	41.5	40.4	39.3	37.1	32.8	26.2	18.6	17.5	18.6	18.6
132.5°	34.9	34.9	34.9	32.8	30.6	27.3	20.7	15.3	14.2	16.4	16.4
135°	29.5	29.5	29.5	27.3	25.1	20.7	15.3	12.0	12.0	14.2	14.2
137.5°	24.0	25.1	24.0	21.8	19.7	16.4	12.0	8.7	9.8	12.0	12.0
140°	19.7	19.7	18.6	17.5	14.2	10.9	7.6	6.6	8.7	9.8	9.8
142.5°	15.3	15.3	14.2	12.0	9.8	7.6	4.4	4.4	6.6	7.6	7.6
145°	10.9	10.9	9.8	7.6	5.5	3.3	1.1	2.2	4.4	5.5	5.5
147.5°	6.6	6.6	6.6	5.5	3.3	1.1	0.0	1.1	2.2	3.3	3.3
150°	4.4	4.4	4.4	3.3	2.2	0.0	0.0	0.0	1.1	2.2	2.2
152.5°	2.2	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

(END OF REPORT)