

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: P417075

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417075  
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-PA1-90-727-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1180mA 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: 7643 lumens  
Efficiency: N/A  
Efficacy: 81.3 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): 94  
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

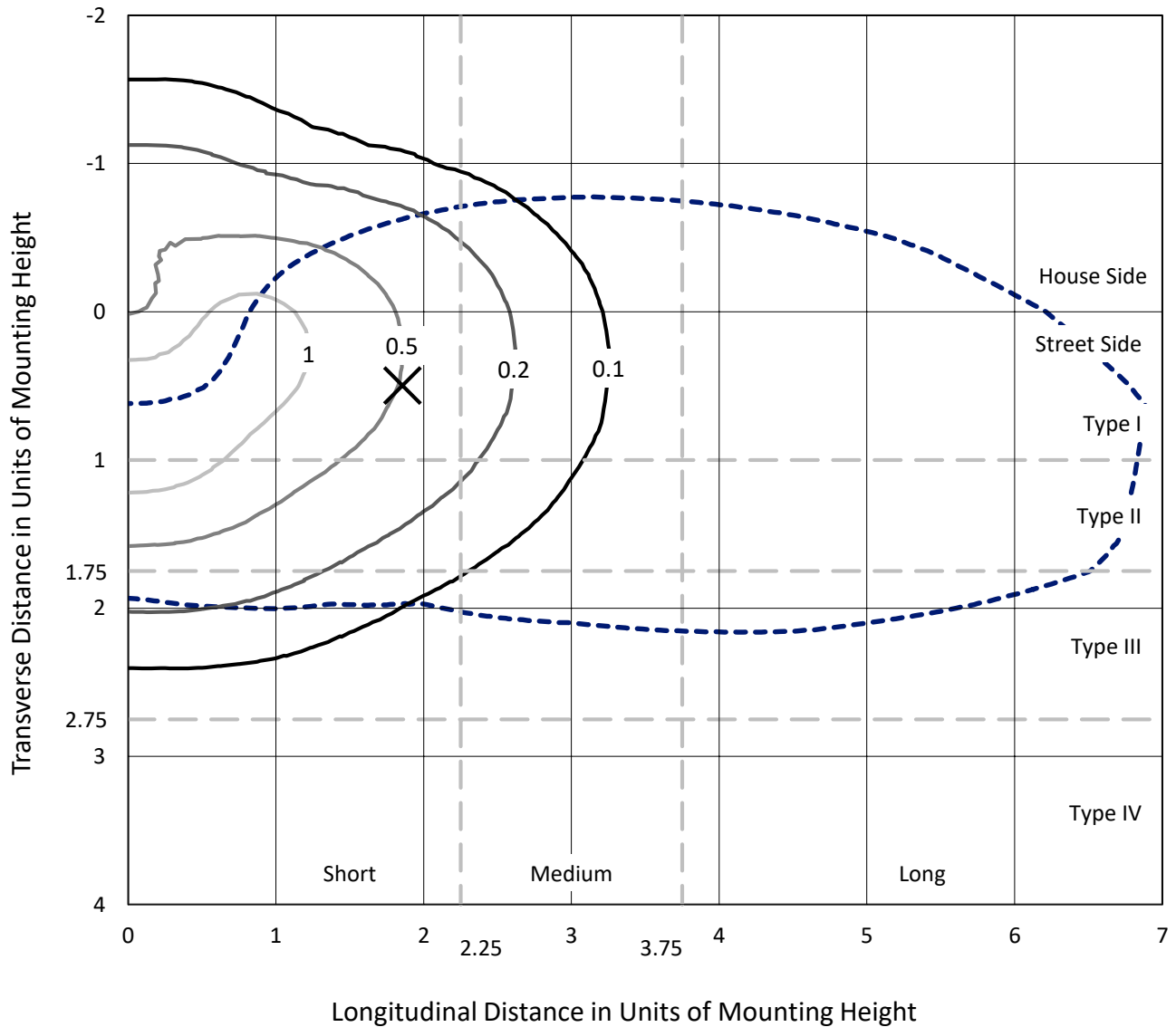


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

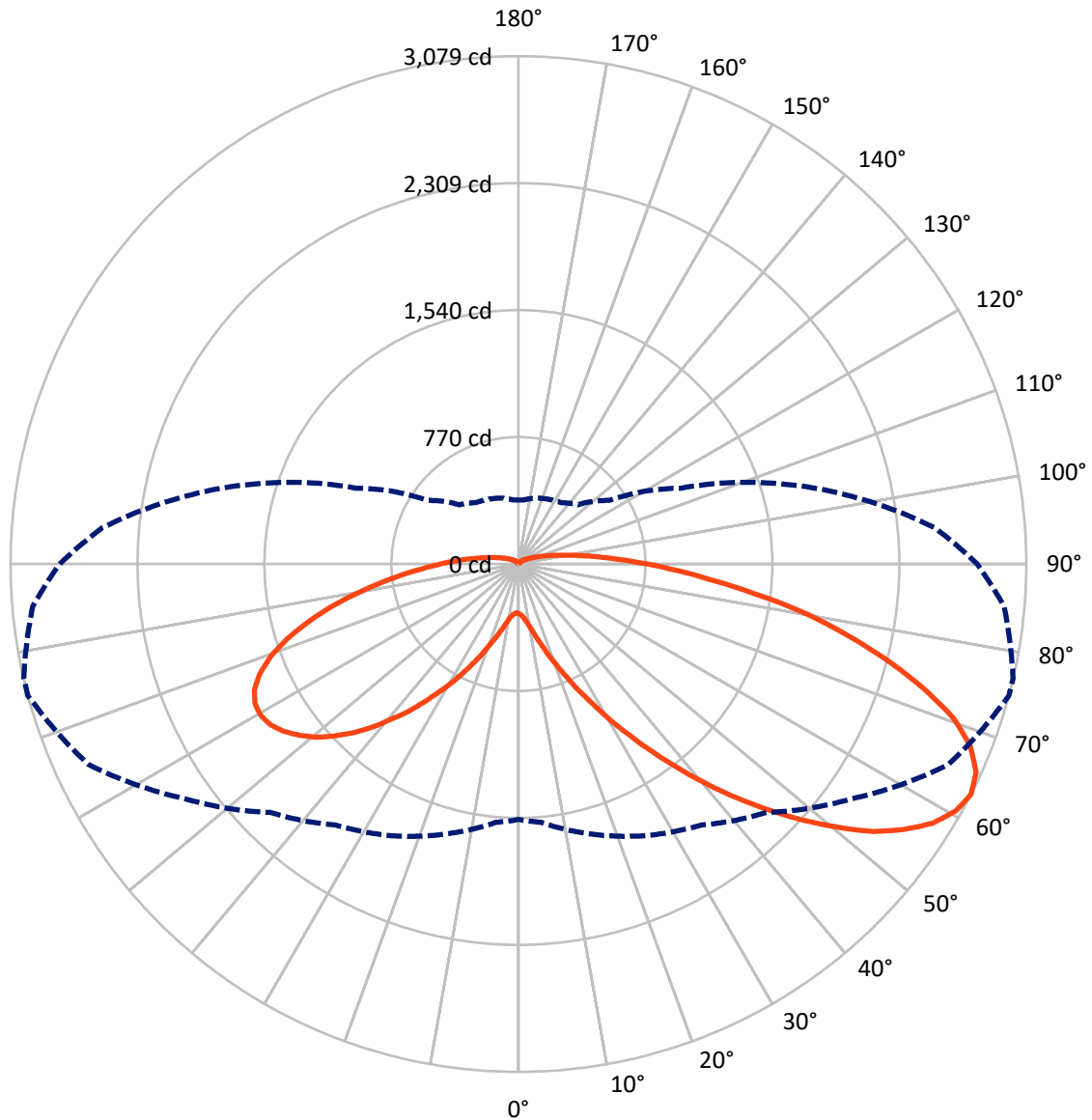


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Short - Non-Cutoff

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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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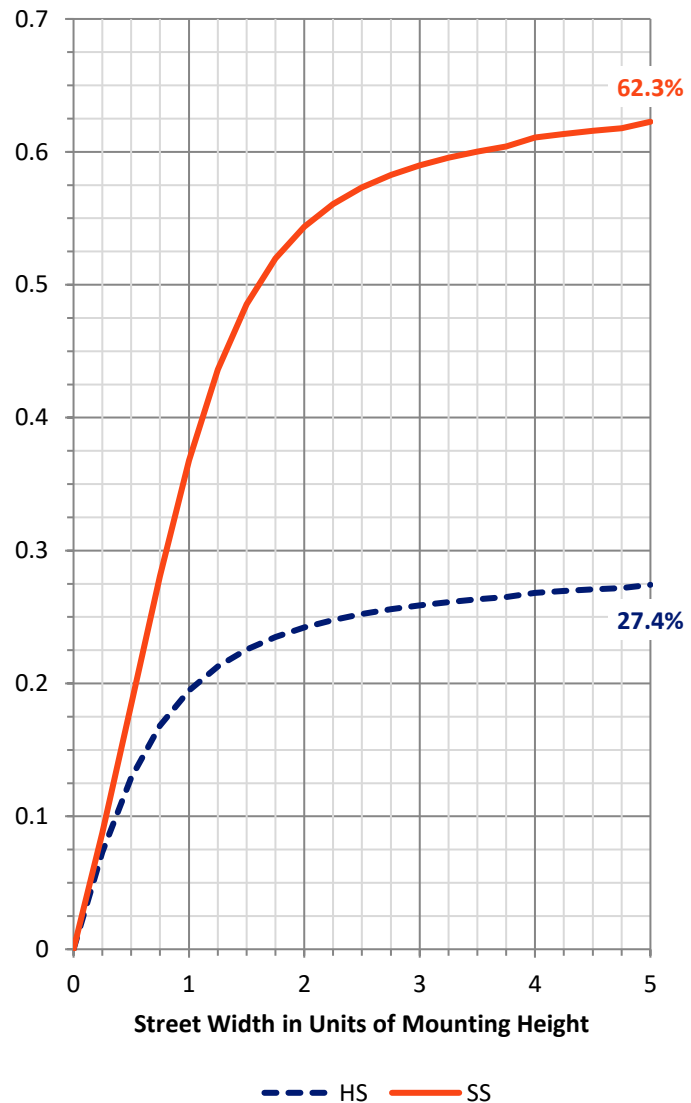
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2185.7	232.4	2418.1
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	4905.8	319.1	5224.9
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	7091.5	551.5	7643.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.7	0.4
10°-20°	133.0	1.7
20°-30°	344.2	4.5
30°-40°	704.2	9.2
40°-50°	1167.9	15.3
50°-60°	1515.1	19.8
60°-70°	1492.2	19.5
70°-80°	1096.5	14.3
80°-90°	606.8	7.9
90°-100°	286.6	3.7
100°-110°	136.9	1.8
110°-120°	69.9	0.9
120°-130°	36.2	0.5
130°-140°	16.6	0.2
140°-150°	4.9	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7091.5	92.8
0°-180°	7643.0	100.0



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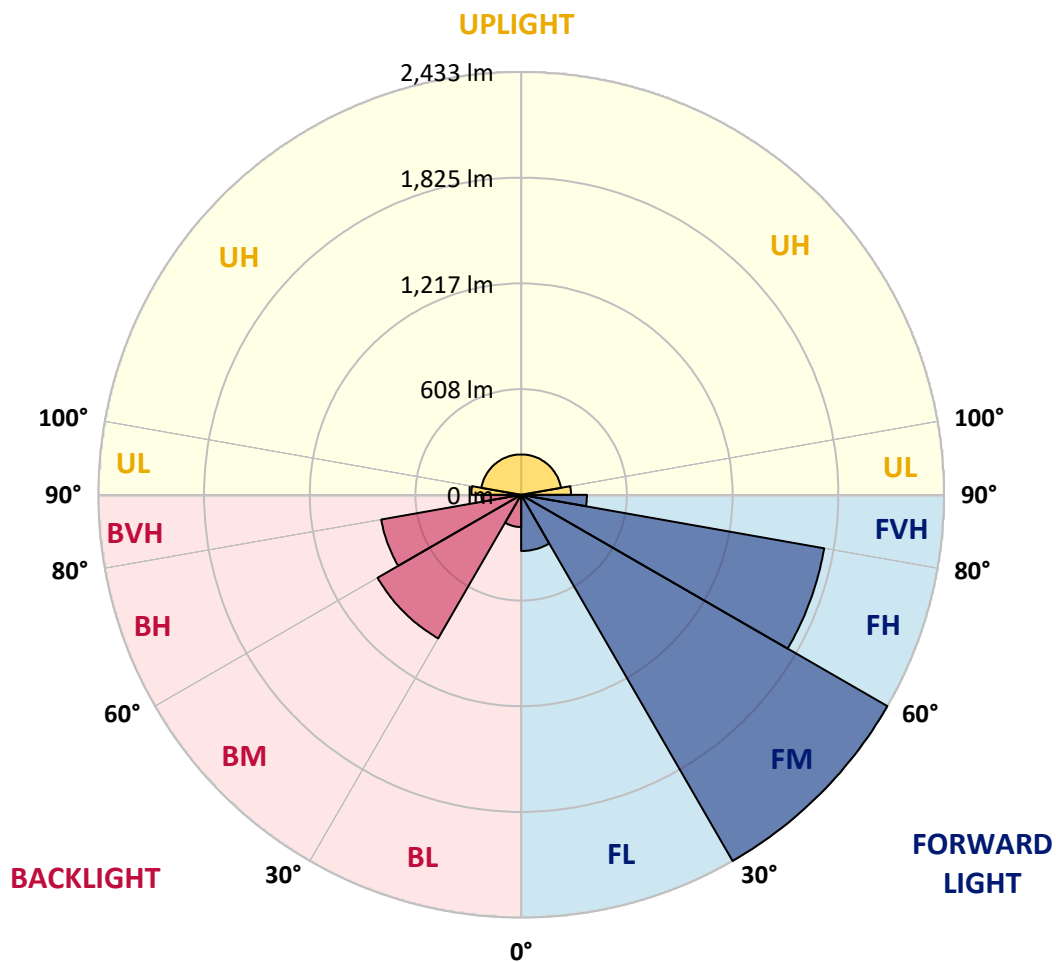
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.4	4.2			
FM	(30°-60°)	2433.1	31.8			
FH	(60°-80°)	1771.1	23.2			G1/1800
FVH	(80°-90°)	378.2	4.9			G3/500
BL	(0°-30°)	185.4	2.4	B1/500		
BM	(30°-60°)	954.1	12.5	B1/1000		
BH	(60°-80°)	817.6	10.7	B2/1000		G2/1000
BVH	(80°-90°)	228.6	3.0			G3/500
UL	(90°-100°)	286.6	3.7		U3/500	
UH	(100°-180°)	232.4	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°	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3
2.5°	334.5	331.8	330.0	327.3	325.5	321.9	318.3	312.9	308.4	307.5	303.9
5°	369.7	365.2	365.2	360.7	354.4	349.9	342.6	333.6	326.4	321.9	318.3
7.5°	414.8	411.2	406.7	403.1	396.7	388.6	378.7	367.0	352.6	349.9	340.8
10°	465.3	463.5	459.9	452.6	444.5	433.7	420.2	405.8	389.5	386.8	371.5
12.5°	532.0	532.0	526.6	516.7	504.9	485.1	473.4	458.1	439.1	436.4	414.8
15°	614.0	610.4	603.2	586.1	572.6	556.3	541.9	522.1	496.8	492.3	472.5
17.5°	704.2	697.0	693.4	677.2	659.1	639.3	619.5	597.8	569.9	562.7	539.2
20°	805.2	809.7	796.2	778.2	751.1	731.3	708.7	680.8	650.1	644.7	616.8
22.5°	932.3	928.7	909.8	884.6	858.4	836.8	807.9	780.0	738.5	733.1	700.6
25°	1073.0	1069.4	1045.1	1013.5	983.7	945.0	911.6	881.9	847.6	839.5	800.7
27.5°	1211.0	1229.0	1192.0	1153.3	1118.1	1074.8	1035.1	997.3	958.5	952.2	911.6
30°	1399.4	1403.9	1360.6	1307.4	1259.7	1205.6	1164.1	1129.8	1096.5	1075.7	1038.7
32.5°	1596.0	1581.6	1547.3	1482.4	1406.6	1346.2	1300.2	1268.7	1237.1	1226.3	1172.2
35°	1790.8	1790.8	1737.6	1650.1	1550.9	1489.6	1444.5	1425.6	1396.7	1379.6	1319.2
37.5°	1981.9	1979.2	1925.1	1822.3	1720.4	1636.6	1607.7	1586.1	1566.2	1549.1	1475.2
40°	2170.4	2165.9	2100.9	2000.8	1881.8	1795.3	1771.8	1775.4	1752.0	1728.5	1654.6
42.5°	2321.8	2320.0	2268.6	2168.6	2026.1	1949.4	1926.0	1947.6	1936.8	1914.3	1827.7
45°	2442.7	2434.6	2394.0	2292.1	2163.1	2082.0	2088.3	2140.6	2128.0	2117.2	2009.9
47.5°	2493.2	2492.3	2469.7	2381.4	2262.3	2205.5	2241.6	2314.6	2319.1	2310.1	2190.2
50°	2479.6	2483.2	2481.4	2427.3	2330.0	2301.1	2370.5	2495.0	2509.4	2500.4	2376.8
52.5°	2400.3	2402.1	2431.9	2408.4	2353.4	2361.5	2485.1	2644.7	2695.1	2670.8	2541.9
55°	2232.6	2255.1	2313.7	2327.3	2320.0	2375.0	2553.6	2763.7	2840.3	2832.2	2685.2
57.5°	2059.5	2048.6	2132.5	2197.4	2235.3	2339.0	2576.1	2848.4	2963.8	2953.0	2813.3
60°	1807.0	1823.2	1926.0	2018.9	2099.1	2252.4	2555.4	2893.5	3044.1	3037.8	2907.0
62.5°	1549.1	1572.5	1694.3	1817.8	1932.3	2129.8	2477.8	2876.4	3079.3	3078.4	2956.6
65°	1306.5	1331.8	1443.6	1593.3	1739.4	1963.9	2342.6	2803.3	3049.5	3051.3	2947.6
67.5°	1091.0	1104.6	1221.8	1386.8	1529.3	1769.1	2168.6	2659.1	2955.7	2965.7	2875.5
70°	899.0	908.9	1022.5	1169.5	1334.5	1551.8	1957.6	2474.2	2798.8	2802.4	2745.6
72.5°	737.6	746.6	855.7	986.4	1138.8	1361.5	1740.3	2221.8	2562.6	2598.7	2545.5
75°	589.7	607.7	701.5	828.7	964.8	1163.2	1510.3	1950.4	2297.5	2328.2	2320.0
77.5°	480.6	504.9	579.8	688.9	814.2	986.4	1280.4	1682.6	2017.1	2042.3	2048.6
80°	387.7	405.8	480.6	577.1	683.5	833.2	1070.3	1421.1	1734.8	1737.6	1734.8
82.5°	314.7	328.2	394.9	482.4	576.2	700.6	897.2	1185.7	1422.9	1451.7	1457.1
85°	256.1	266.0	323.7	402.2	481.5	587.0	740.3	968.4	1156.0	1185.7	1175.8
87.5°	205.6	219.1	265.1	331.8	405.8	489.6	615.9	783.6	933.2	945.9	944.1
90°	168.6	173.1	219.1	275.9	342.6	406.7	503.1	631.2	743.0	765.5	750.2
92.5°	136.2	143.4	182.1	233.5	285.8	341.7	417.5	518.5	587.9	601.4	594.2
95°	114.5	118.1	153.3	195.7	240.8	291.2	344.4	413.9	465.3	469.8	471.6
97.5°	95.6	99.2	128.0	166.8	205.6	246.2	286.7	338.1	372.4	371.5	368.8
100°	82.1	83.9	110.0	145.2	179.4	209.2	240.8	272.3	293.0	299.4	289.4
102.5°	71.2	72.1	94.7	125.3	154.2	180.3	203.8	226.3	234.4	235.3	230.8
105°	63.1	64.0	83.0	108.2	134.4	154.2	172.2	185.7	189.4	189.4	183.9
107.5°	55.9	56.8	71.2	95.6	119.0	135.3	147.9	155.1	153.3	152.4	148.8
110°	51.4	51.4	63.1	84.8	103.7	118.1	128.0	128.9	124.4	124.4	120.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	46.9	46.9	55.9	74.8	92.0	104.6	110.9	109.1	102.8	101.0	101.0
115°	43.3	43.3	49.6	65.8	82.1	92.0	96.5	92.0	84.8	83.9	83.0
117.5°	40.6	40.6	45.1	58.6	72.1	81.2	83.9	79.3	71.2	70.3	70.3
120°	37.9	37.9	41.5	51.4	64.0	71.2	73.0	67.6	59.5	59.5	60.4
122.5°	36.1	36.1	37.9	46.0	56.8	63.1	63.1	57.7	50.5	50.5	51.4
125°	34.3	34.3	35.2	40.6	49.6	55.0	54.1	47.8	43.3	43.3	44.2
127.5°	32.5	32.5	32.5	36.1	43.3	47.8	46.9	40.6	37.0	37.0	38.8
130°	30.7	30.7	29.8	31.6	37.0	40.6	38.8	34.3	31.6	31.6	33.4
132.5°	28.9	28.9	27.1	28.0	31.6	33.4	31.6	28.0	27.1	27.1	28.0
135°	27.1	26.1	25.2	24.3	26.1	27.1	25.2	22.5	22.5	22.5	24.3
137.5°	24.3	24.3	22.5	20.7	20.7	20.7	19.8	17.1	18.0	18.9	19.8
140°	22.5	22.5	20.7	18.0	16.2	16.2	14.4	13.5	14.4	15.3	16.2
142.5°	19.8	19.8	18.0	15.3	12.6	10.8	9.9	9.0	10.8	11.7	11.7
145°	17.1	17.1	15.3	11.7	9.0	6.3	5.4	6.3	7.2	8.1	9.0
147.5°	14.4	13.5	11.7	9.0	4.5	2.7	1.8	3.6	4.5	4.5	5.4
150°	10.8	10.8	9.0	6.3	2.7	0.0	0.9	1.8	2.7	2.7	3.6
152.5°	8.1	7.2	6.3	3.6	0.0	0.0	0.0	0.0	0.9	1.8	1.8
155°	4.5	4.5	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	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°	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3
2.5°	302.1	299.4	295.8	293.0	290.3	286.7	284.9	282.2	282.2	282.2	284.0
5°	312.9	309.3	301.2	294.0	286.7	281.3	275.9	272.3	270.5	268.7	269.6
7.5°	332.7	328.2	315.6	303.0	293.0	283.1	275.9	269.6	266.9	266.0	266.0
10°	363.4	355.3	336.3	319.2	304.8	291.2	281.3	273.2	269.6	266.9	266.9
12.5°	404.9	393.1	370.6	347.1	325.5	307.5	293.0	286.7	284.0	282.2	283.1
15°	459.9	447.2	413.0	382.3	354.4	330.0	316.5	310.2	306.6	304.8	303.9
17.5°	523.9	505.8	464.4	424.7	389.5	362.5	345.3	335.4	329.1	325.5	326.4
20°	594.2	570.8	517.6	474.3	429.2	402.2	376.0	359.8	351.7	349.9	350.8
22.5°	673.6	649.2	587.9	524.8	477.9	437.3	405.8	385.0	375.1	374.2	374.2
25°	767.3	734.9	662.7	583.4	523.0	471.6	434.6	409.4	398.5	394.9	394.9
27.5°	873.7	830.5	741.2	650.1	567.2	502.2	459.0	430.1	418.4	415.7	415.7
30°	991.0	945.9	832.3	713.2	609.5	529.3	480.6	449.9	434.6	431.0	431.9
32.5°	1119.9	1061.3	917.9	780.9	646.5	550.9	495.0	464.4	447.2	442.7	442.7
35°	1259.7	1191.1	1019.8	846.7	681.7	568.1	505.8	474.3	455.4	450.8	449.9
37.5°	1416.6	1330.9	1125.3	907.1	709.6	578.9	513.1	480.6	459.9	453.5	452.6
40°	1580.7	1482.4	1222.7	962.1	733.1	585.2	514.9	483.3	461.7	451.7	450.8
42.5°	1733.9	1625.7	1333.6	1012.6	747.5	587.9	514.0	482.4	459.9	446.3	445.4
45°	1903.5	1770.9	1435.5	1058.6	756.5	586.1	510.4	477.9	456.3	439.1	437.3
47.5°	2081.1	1928.7	1529.3	1091.9	760.1	580.7	505.8	474.3	449.9	431.0	429.2
50°	2241.6	2064.0	1616.7	1118.1	758.3	572.6	498.6	468.9	444.5	422.9	421.1
52.5°	2398.5	2205.5	1685.3	1132.5	749.3	563.6	492.3	462.6	438.2	415.7	413.0
55°	2541.0	2317.3	1746.6	1138.8	737.6	551.8	483.3	457.2	432.8	408.5	405.8
57.5°	2651.0	2422.8	1791.7	1130.7	719.5	538.3	474.3	449.0	426.5	402.2	399.4
60°	2732.1	2492.3	1812.4	1115.4	698.8	523.0	463.5	440.9	420.2	396.7	394.0
62.5°	2780.8	2531.0	1807.9	1088.3	672.7	507.7	453.5	432.8	413.9	390.4	388.6
65°	2772.7	2515.7	1773.6	1045.1	644.7	487.8	438.2	422.0	404.9	383.2	380.5
67.5°	2706.9	2453.5	1704.2	991.0	613.1	468.0	423.8	407.6	393.1	374.2	368.8
70°	2589.6	2339.0	1604.1	923.3	577.1	445.4	406.7	391.3	378.7	360.7	355.3
72.5°	2392.2	2172.2	1477.0	853.0	538.3	419.3	384.1	371.5	358.0	343.5	337.2
75°	2166.8	1963.0	1327.3	770.0	496.8	393.1	360.7	348.1	335.4	320.1	314.7
77.5°	1921.5	1725.8	1172.2	697.0	454.5	363.4	334.5	323.7	311.1	294.9	288.5
80°	1628.4	1472.5	1007.2	613.1	412.1	334.5	307.5	295.8	282.2	266.9	260.6
82.5°	1364.3	1226.3	854.8	537.4	369.7	304.8	281.3	264.2	251.6	236.2	225.4
85°	1115.4	1018.9	716.8	461.7	330.0	274.1	250.7	236.2	221.8	203.8	196.6
87.5°	897.2	815.1	588.8	398.5	291.2	244.4	222.7	208.3	192.1	173.1	166.8
90°	709.6	659.1	489.6	342.6	257.9	219.1	197.5	182.1	164.1	147.0	143.4
92.5°	562.7	527.5	404.9	291.2	227.2	193.9	174.0	158.7	140.7	123.5	118.1
95°	452.6	418.4	331.8	254.3	199.3	170.4	153.3	138.9	120.8	103.7	100.1
97.5°	361.6	334.5	272.3	213.7	174.9	151.5	136.2	120.8	102.8	87.5	85.7
100°	283.1	266.9	225.4	183.9	154.2	134.4	119.9	106.4	88.4	73.0	72.1
102.5°	226.3	217.3	187.6	158.7	135.3	119.0	107.3	92.9	76.6	62.2	61.3
105°	182.1	176.7	156.0	136.2	119.9	106.4	95.6	81.2	64.9	53.2	53.2
107.5°	147.9	143.4	130.7	116.3	105.5	95.6	83.9	71.2	55.9	46.0	46.0
110°	120.8	119.0	110.9	101.0	92.9	84.8	73.9	61.3	47.8	40.6	40.6



REPORT NUMBER: P417075

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	101.0	100.1	93.8	88.4	82.1	74.8	65.8	54.1	41.5	35.2	36.1
115°	83.9	83.9	80.3	76.6	72.1	66.7	57.7	46.0	35.2	31.6	31.6
117.5°	71.2	70.3	69.4	66.7	64.0	58.6	49.6	39.7	29.8	28.0	28.9
120°	61.3	61.3	59.5	58.6	55.9	50.5	43.3	33.4	25.2	25.2	25.2
122.5°	52.3	53.2	51.4	50.5	48.7	45.1	37.0	28.0	22.5	21.6	22.5
125°	46.0	46.0	45.1	44.2	42.4	37.9	31.6	23.4	18.9	19.8	19.8
127.5°	38.8	39.7	38.8	37.9	37.0	32.5	26.1	18.9	16.2	17.1	17.1
130°	34.3	34.3	33.4	32.5	30.7	27.1	21.6	15.3	14.4	15.3	15.3
132.5°	28.9	28.9	28.9	27.1	25.2	22.5	17.1	12.6	11.7	13.5	13.5
135°	24.3	24.3	24.3	22.5	20.7	17.1	12.6	9.9	9.9	11.7	11.7
137.5°	19.8	20.7	19.8	18.0	16.2	13.5	9.9	7.2	8.1	9.9	9.9
140°	16.2	16.2	15.3	14.4	11.7	9.0	6.3	5.4	7.2	8.1	8.1
142.5°	12.6	12.6	11.7	9.9	8.1	6.3	3.6	3.6	5.4	6.3	6.3
145°	9.0	9.0	8.1	6.3	4.5	2.7	0.9	1.8	3.6	4.5	4.5
147.5°	5.4	5.4	5.4	4.5	2.7	0.9	0.0	0.9	1.8	2.7	2.7
150°	3.6	3.6	3.6	2.7	1.8	0.0	0.0	0.0	0.9	1.8	1.8
152.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.9	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)