

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: P416347

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416347  
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-PA1-70-740-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 930mA 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: 7755 lumens  
Efficiency: N/A  
Efficacy: 104.8 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): 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



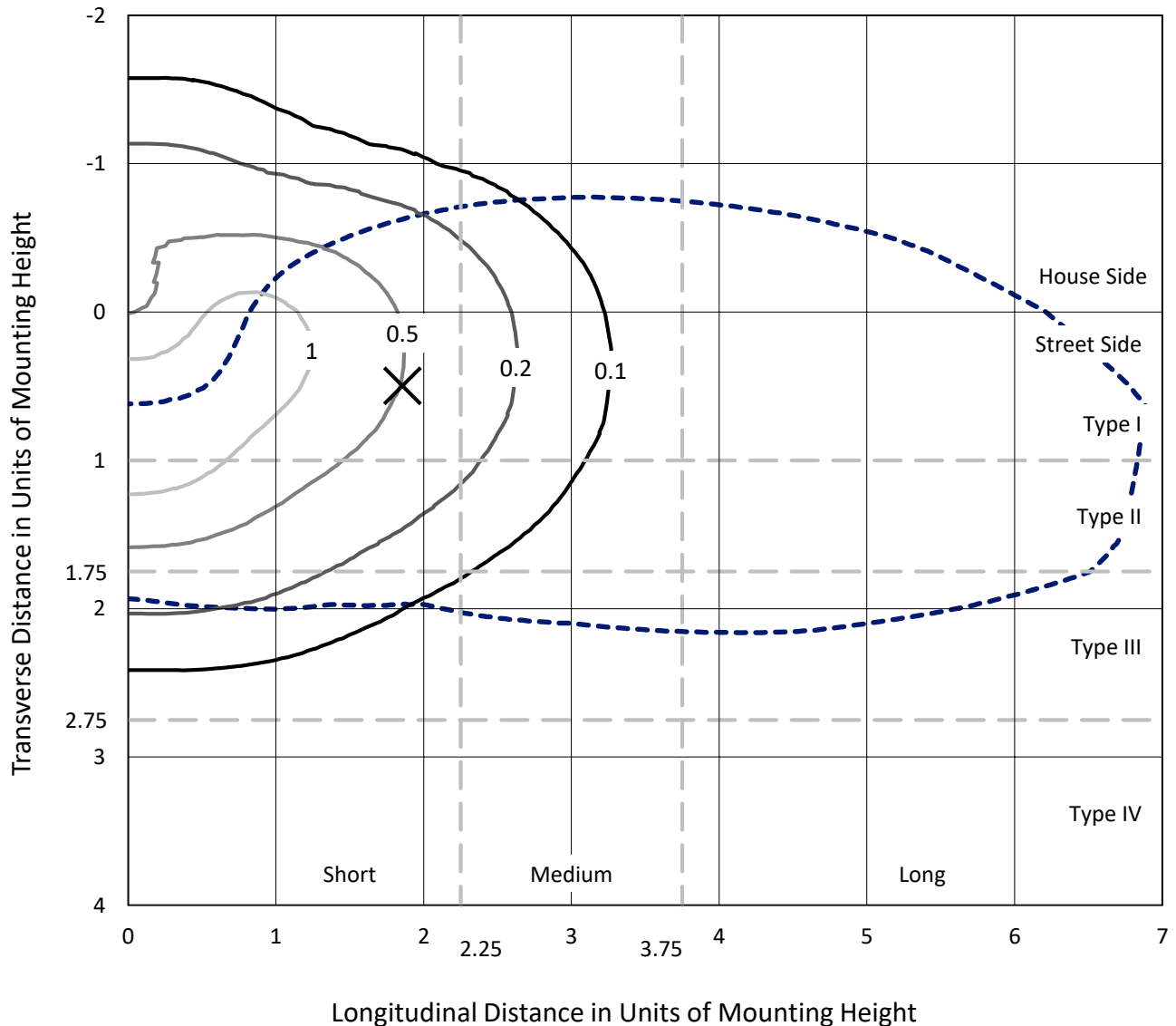
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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

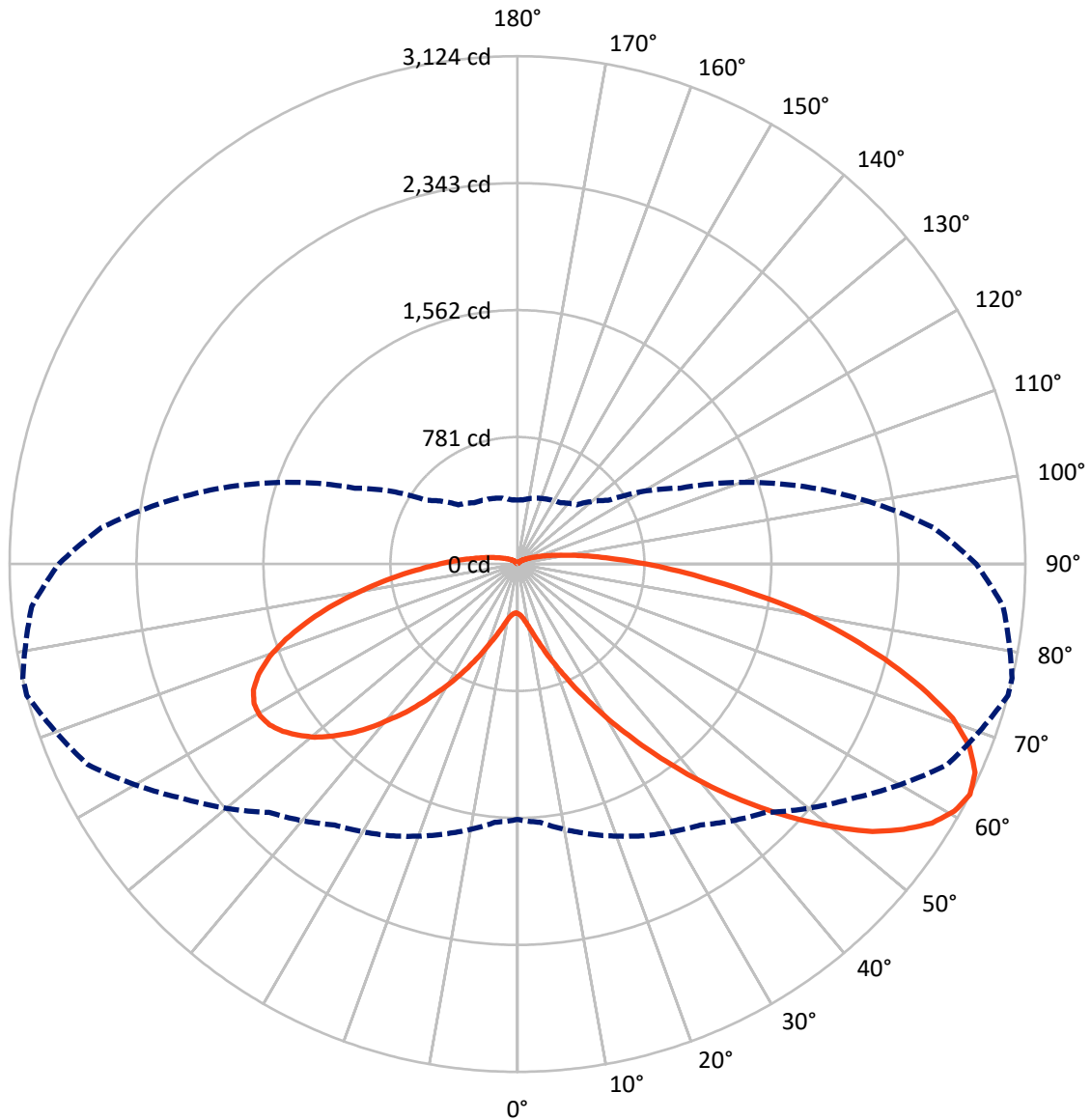


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Short - Non-Cutoff

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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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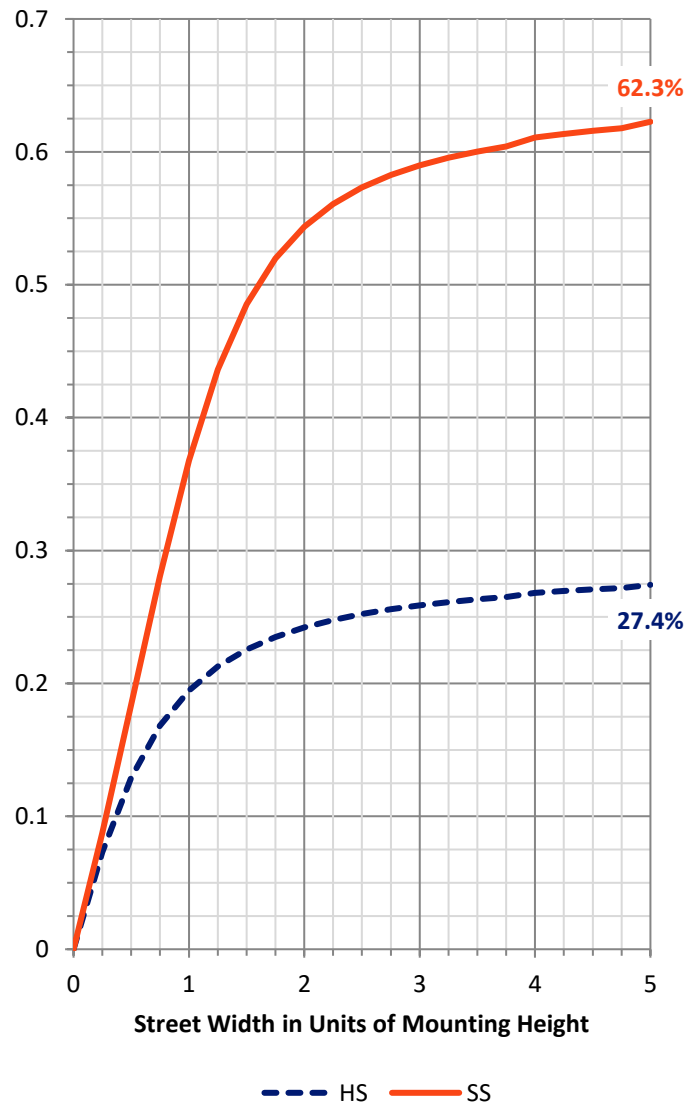
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2217.7	235.8	2453.6
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	4977.7	323.8	5301.4
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	7195.4	559.6	7755.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.1	0.4
10°-20°	134.9	1.7
20°-30°	349.2	4.5
30°-40°	714.5	9.2
40°-50°	1185.0	15.3
50°-60°	1537.3	19.8
60°-70°	1514.1	19.5
70°-80°	1112.5	14.3
80°-90°	615.7	7.9
90°-100°	290.8	3.7
100°-110°	138.9	1.8
110°-120°	70.9	0.9
120°-130°	36.7	0.5
130°-140°	16.8	0.2
140°-150°	5.0	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7195.4	92.8
0°-180°	7755.0	100.0



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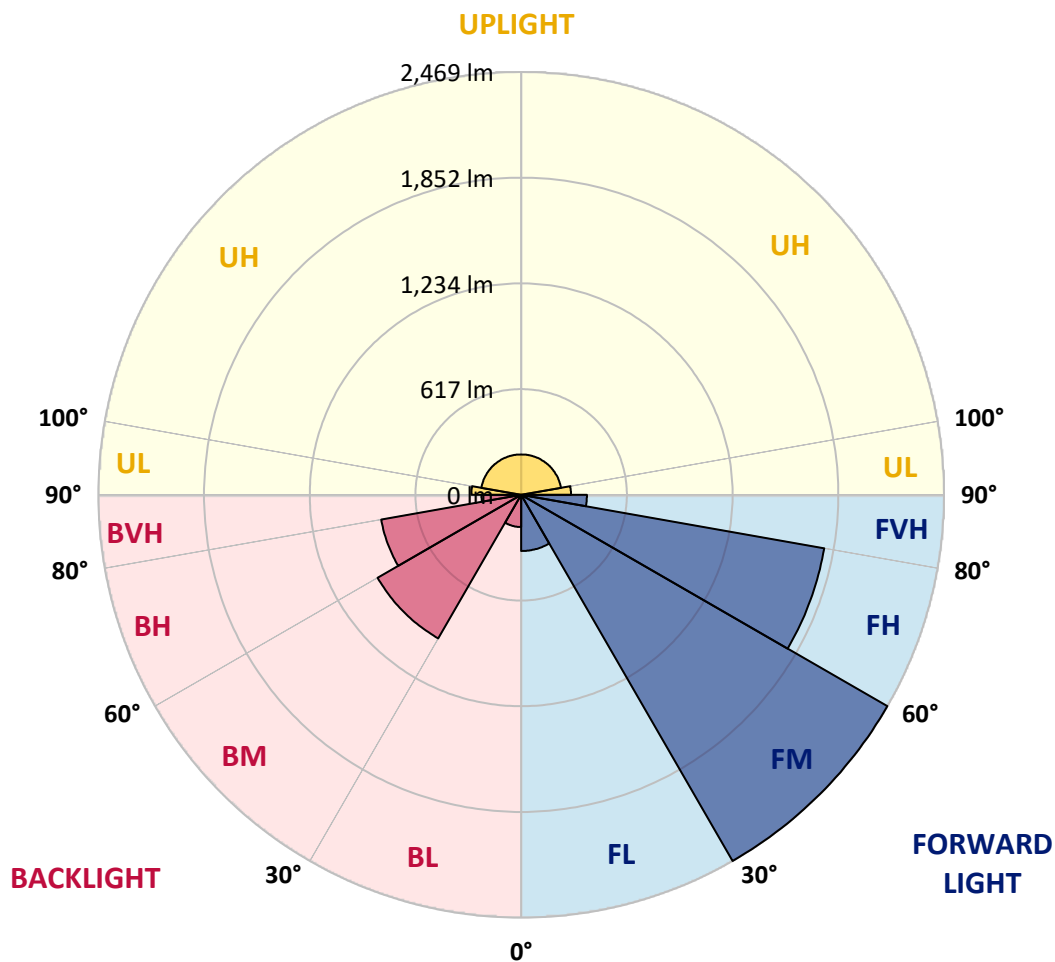
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	328.1	4.2			
FM	(30°-60°)	2468.8	31.8			
FH	(60°-80°)	1797.0	23.2			G1/1800
FVH	(80°-90°)	383.7	4.9			G3/500
BL	(0°-30°)	188.2	2.4	B1/500		
BM	(30°-60°)	968.0	12.5	B1/1000		
BH	(60°-80°)	829.6	10.7	B2/1000		G2/1000
BVH	(80°-90°)	232.0	3.0			G3/500
UL	(90°-100°)	290.8	3.7		U3/500	
UH	(100°-180°)	235.8	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°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	339.4	336.7	334.9	332.1	330.3	326.6	323.0	317.5	312.9	312.0	308.3
5°	375.1	370.5	370.5	366.0	359.6	355.0	347.7	338.5	331.2	326.6	323.0
7.5°	420.9	417.2	412.6	409.0	402.6	394.3	384.3	372.4	357.7	355.0	345.8
10°	472.1	470.3	466.6	459.3	451.0	440.1	426.3	411.7	395.2	392.5	376.9
12.5°	539.8	539.8	534.3	524.2	512.3	492.2	480.3	464.8	445.6	442.8	420.9
15°	623.0	619.4	612.1	594.7	581.0	564.5	549.9	529.7	504.1	499.5	479.4
17.5°	714.5	707.2	703.6	687.1	668.8	648.7	628.5	606.6	578.2	570.9	547.1
20°	817.0	821.6	807.9	789.6	762.1	742.0	719.1	690.8	659.6	654.2	625.8
22.5°	946.0	942.3	923.1	897.5	871.0	849.0	819.8	791.4	749.3	743.8	710.9
25°	1088.7	1085.1	1060.4	1028.3	998.2	958.8	925.0	894.8	860.0	851.8	812.4
27.5°	1228.7	1247.0	1209.5	1170.2	1134.5	1090.6	1050.3	1011.9	972.5	966.1	925.0
30°	1419.9	1424.5	1380.6	1326.6	1278.1	1223.2	1181.1	1146.4	1112.5	1091.5	1054.0
32.5°	1619.4	1604.7	1570.0	1504.1	1427.2	1365.9	1319.3	1287.3	1255.2	1244.3	1189.4
35°	1817.0	1817.0	1763.0	1674.3	1573.6	1511.4	1465.7	1446.5	1417.2	1399.8	1338.5
37.5°	2011.0	2008.2	1953.3	1849.0	1745.6	1660.5	1631.3	1609.3	1589.2	1571.8	1496.8
40°	2202.2	2197.6	2131.7	2030.2	1909.4	1821.6	1797.8	1801.4	1777.7	1753.9	1678.8
42.5°	2355.9	2354.0	2301.9	2200.3	2055.8	1978.0	1954.2	1976.2	1965.2	1942.3	1854.5
45°	2478.5	2470.2	2429.1	2325.7	2194.8	2112.5	2118.9	2172.0	2159.2	2148.2	2039.3
47.5°	2529.7	2528.8	2505.9	2416.3	2295.5	2237.8	2274.4	2348.6	2353.1	2344.0	2222.3
50°	2516.0	2519.6	2517.8	2462.9	2364.1	2334.8	2405.3	2531.5	2546.2	2537.0	2411.7
52.5°	2435.5	2437.3	2467.5	2443.7	2387.9	2396.1	2521.5	2683.4	2734.6	2709.9	2579.1
55°	2265.3	2288.2	2347.6	2361.4	2354.0	2409.9	2591.0	2804.2	2881.9	2873.7	2724.6
57.5°	2089.6	2078.7	2163.7	2229.6	2268.0	2373.3	2613.9	2890.2	3007.3	2996.3	2854.5
60°	1833.5	1849.9	1954.2	2048.5	2129.9	2285.4	2592.8	2935.9	3088.7	3082.3	2949.6
62.5°	1571.8	1595.6	1719.1	1844.4	1960.6	2161.0	2514.1	2918.5	3124.4	3123.5	3000.0
65°	1325.7	1351.3	1464.8	1616.6	1764.8	1992.7	2376.9	2844.4	3094.2	3096.0	2990.8
67.5°	1107.0	1120.8	1239.7	1407.1	1551.7	1795.0	2200.3	2698.0	2999.0	3009.1	2917.6
70°	912.2	922.2	1037.5	1186.6	1354.1	1574.5	1986.3	2510.5	2839.9	2843.5	2785.9
72.5°	748.4	757.5	868.2	1000.9	1155.5	1381.5	1765.8	2254.3	2600.1	2636.7	2582.8
75°	598.3	616.6	711.8	840.8	978.9	1180.2	1532.5	1978.9	2331.2	2362.3	2354.0
77.5°	487.6	512.3	588.3	699.0	826.2	1000.9	1299.2	1707.2	2046.6	2072.3	2078.7
80°	393.4	411.7	487.6	585.5	693.5	845.4	1086.0	1441.9	1760.3	1763.0	1760.3
82.5°	319.3	333.0	400.7	489.5	584.6	710.9	910.3	1203.1	1443.7	1473.0	1478.5
85°	259.8	269.9	328.4	408.0	488.6	595.6	751.1	982.6	1172.9	1203.1	1193.0
87.5°	208.6	222.3	269.0	336.7	411.7	496.8	624.9	795.0	946.9	959.7	957.9
90°	171.1	175.7	222.3	280.0	347.7	412.6	510.5	640.4	753.9	776.8	761.2
92.5°	138.2	145.5	184.8	237.0	290.0	346.7	423.6	526.1	596.5	610.2	602.9
95°	116.2	119.9	155.5	198.5	244.3	295.5	349.5	419.9	472.1	476.7	478.5
97.5°	97.0	100.6	129.9	169.3	208.6	249.8	290.9	343.1	377.9	376.9	374.2
100°	83.3	85.1	111.6	147.3	182.1	212.3	244.3	276.3	297.3	303.7	293.7
102.5°	72.3	73.2	96.1	127.2	156.4	183.0	206.8	229.6	237.9	238.8	234.2
105°	64.0	65.0	84.2	109.8	136.3	156.4	174.7	188.5	192.1	192.1	186.6
107.5°	56.7	57.6	72.3	97.0	120.8	137.2	150.0	157.4	155.5	154.6	151.0
110°	52.1	52.1	64.0	86.0	105.2	119.9	129.9	130.8	126.3	126.3	122.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	47.6	47.6	56.7	75.9	93.3	106.1	112.5	110.7	104.3	102.5	102.5
115°	43.9	43.9	50.3	66.8	83.3	93.3	97.9	93.3	86.0	85.1	84.2
117.5°	41.2	41.2	45.7	59.5	73.2	82.3	85.1	80.5	72.3	71.4	71.4
120°	38.4	38.4	42.1	52.1	65.0	72.3	74.1	68.6	60.4	60.4	61.3
122.5°	36.6	36.6	38.4	46.7	57.6	64.0	64.0	58.6	51.2	51.2	52.1
125°	34.8	34.8	35.7	41.2	50.3	55.8	54.9	48.5	43.9	43.9	44.8
127.5°	32.9	32.9	32.9	36.6	43.9	48.5	47.6	41.2	37.5	37.5	39.3
130°	31.1	31.1	30.2	32.0	37.5	41.2	39.3	34.8	32.0	32.0	33.9
132.5°	29.3	29.3	27.4	28.4	32.0	33.9	32.0	28.4	27.4	27.4	28.4
135°	27.4	26.5	25.6	24.7	26.5	27.4	25.6	22.9	22.9	22.9	24.7
137.5°	24.7	24.7	22.9	21.0	21.0	21.0	20.1	17.4	18.3	19.2	20.1
140°	22.9	22.9	21.0	18.3	16.5	16.5	14.6	13.7	14.6	15.6	16.5
142.5°	20.1	20.1	18.3	15.6	12.8	11.0	10.1	9.1	11.0	11.9	11.9
145°	17.4	17.4	15.6	11.9	9.1	6.4	5.5	6.4	7.3	8.2	9.1
147.5°	14.6	13.7	11.9	9.1	4.6	2.7	1.8	3.7	4.6	4.6	5.5
150°	11.0	11.0	9.1	6.4	2.7	0.0	0.9	1.8	2.7	2.7	3.7
152.5°	8.2	7.3	6.4	3.7	0.0	0.0	0.0	0.0	0.9	1.8	1.8
155°	4.6	4.6	3.7	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°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	306.5	303.7	300.1	297.3	294.6	290.9	289.1	286.4	286.4	286.4	288.2
5°	317.5	313.8	305.6	298.3	290.9	285.4	280.0	276.3	274.5	272.6	273.6
7.5°	337.6	333.0	320.2	307.4	297.3	287.3	280.0	273.6	270.8	269.9	269.9
10°	368.7	360.5	341.3	323.9	309.2	295.5	285.4	277.2	273.6	270.8	270.8
12.5°	410.8	398.9	376.0	352.2	330.3	312.0	297.3	290.9	288.2	286.4	287.3
15°	466.6	453.8	419.0	387.9	359.6	334.9	321.1	314.7	311.1	309.2	308.3
17.5°	531.6	513.3	471.2	430.9	395.2	367.8	350.4	340.3	333.9	330.3	331.2
20°	602.9	579.1	525.2	481.2	435.5	408.0	381.5	365.0	356.8	355.0	355.9
22.5°	683.4	658.7	596.5	532.5	484.9	443.7	411.7	390.7	380.6	379.7	379.7
25°	778.6	745.6	672.5	591.9	530.6	478.5	441.0	415.4	404.4	400.7	400.7
27.5°	886.5	842.6	752.0	659.6	575.5	509.6	465.7	436.4	424.5	421.8	421.8
30°	1005.5	959.7	844.5	723.7	618.5	537.0	487.6	456.5	441.0	437.3	438.2
32.5°	1136.3	1076.8	931.4	792.3	656.0	559.0	502.3	471.2	453.8	449.2	449.2
35°	1278.1	1208.6	1034.8	859.1	691.7	576.4	513.3	481.2	462.0	457.5	456.5
37.5°	1437.3	1350.4	1141.8	920.4	720.0	587.4	520.6	487.6	466.6	460.2	459.3
40°	1603.8	1504.1	1240.6	976.2	743.8	593.8	522.4	490.4	468.4	458.4	457.5
42.5°	1759.4	1649.6	1353.1	1027.4	758.5	596.5	521.5	489.5	466.6	452.9	452.0
45°	1931.4	1796.9	1456.5	1074.1	767.6	594.7	517.8	484.9	462.9	445.6	443.7
47.5°	2111.6	1957.0	1551.7	1107.9	771.3	589.2	513.3	481.2	456.5	437.3	435.5
50°	2274.4	2094.2	1640.4	1134.5	769.4	581.0	505.9	475.7	451.0	429.1	427.3
52.5°	2433.6	2237.8	1710.0	1149.1	760.3	571.8	499.5	469.3	444.6	421.8	419.0
55°	2578.2	2351.3	1772.2	1155.5	748.4	559.9	490.4	463.9	439.2	414.5	411.7
57.5°	2689.8	2458.3	1817.9	1147.3	730.1	546.2	481.2	455.6	432.7	408.0	405.3
60°	2772.2	2528.8	1839.0	1131.7	709.0	530.6	470.3	447.4	426.3	402.6	399.8
62.5°	2821.6	2568.1	1834.4	1104.3	682.5	515.1	460.2	439.2	419.9	396.2	394.3
65°	2813.3	2552.6	1799.6	1060.4	654.2	495.0	444.6	428.2	410.8	388.8	386.1
67.5°	2746.5	2489.4	1729.2	1005.5	622.1	474.8	430.0	413.5	398.9	379.7	374.2
70°	2627.6	2373.3	1627.6	936.9	585.5	452.0	412.6	397.1	384.3	366.0	360.5
72.5°	2427.2	2204.0	1498.6	865.5	546.2	425.4	389.7	376.9	363.2	348.6	342.2
75°	2198.5	1991.7	1346.7	781.3	504.1	398.9	366.0	353.2	340.3	324.8	319.3
77.5°	1949.7	1751.1	1189.4	707.2	461.1	368.7	339.4	328.4	315.6	299.2	292.8
80°	1652.3	1494.0	1021.9	622.1	418.1	339.4	312.0	300.1	286.4	270.8	264.4
82.5°	1384.2	1244.3	867.3	545.3	375.1	309.2	285.4	268.1	255.3	239.7	228.7
85°	1131.7	1033.8	727.3	468.4	334.9	278.1	254.3	239.7	225.1	206.8	199.4
87.5°	910.3	827.1	597.4	404.4	295.5	247.9	226.0	211.3	194.9	175.7	169.3
90°	720.0	668.8	496.8	347.7	261.7	222.3	200.4	184.8	166.5	149.1	145.5
92.5°	570.9	535.2	410.8	295.5	230.6	196.7	176.6	161.0	142.7	125.3	119.9
95°	459.3	424.5	336.7	258.0	202.2	172.9	155.5	140.9	122.6	105.2	101.6
97.5°	366.9	339.4	276.3	216.8	177.5	153.7	138.2	122.6	104.3	88.7	86.9
100°	287.3	270.8	228.7	186.6	156.4	136.3	121.7	108.0	89.7	74.1	73.2
102.5°	229.6	220.5	190.3	161.0	137.2	120.8	108.9	94.2	77.8	63.1	62.2
105°	184.8	179.3	158.3	138.2	121.7	108.0	97.0	82.3	65.9	54.0	54.0
107.5°	150.0	145.5	132.7	118.0	107.0	97.0	85.1	72.3	56.7	46.7	46.7
110°	122.6	120.8	112.5	102.5	94.2	86.0	75.0	62.2	48.5	41.2	41.2



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CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	102.5	101.6	95.1	89.7	83.3	75.9	66.8	54.9	42.1	35.7	36.6
115°	85.1	85.1	81.4	77.8	73.2	67.7	58.6	46.7	35.7	32.0	32.0
117.5°	72.3	71.4	70.4	67.7	65.0	59.5	50.3	40.3	30.2	28.4	29.3
120°	62.2	62.2	60.4	59.5	56.7	51.2	43.9	33.9	25.6	25.6	25.6
122.5°	53.1	54.0	52.1	51.2	49.4	45.7	37.5	28.4	22.9	22.0	22.9
125°	46.7	46.7	45.7	44.8	43.0	38.4	32.0	23.8	19.2	20.1	20.1
127.5°	39.3	40.3	39.3	38.4	37.5	32.9	26.5	19.2	16.5	17.4	17.4
130°	34.8	34.8	33.9	32.9	31.1	27.4	22.0	15.6	14.6	15.6	15.6
132.5°	29.3	29.3	29.3	27.4	25.6	22.9	17.4	12.8	11.9	13.7	13.7
135°	24.7	24.7	24.7	22.9	21.0	17.4	12.8	10.1	10.1	11.9	11.9
137.5°	20.1	21.0	20.1	18.3	16.5	13.7	10.1	7.3	8.2	10.1	10.1
140°	16.5	16.5	15.6	14.6	11.9	9.1	6.4	5.5	7.3	8.2	8.2
142.5°	12.8	12.8	11.9	10.1	8.2	6.4	3.7	3.7	5.5	6.4	6.4
145°	9.1	9.1	8.2	6.4	4.6	2.7	0.9	1.8	3.7	4.6	4.6
147.5°	5.5	5.5	5.5	4.6	2.7	0.9	0.0	0.9	1.8	2.7	2.7
150°	3.7	3.7	3.7	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)