

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: P415571

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-750-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6100 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 54  
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

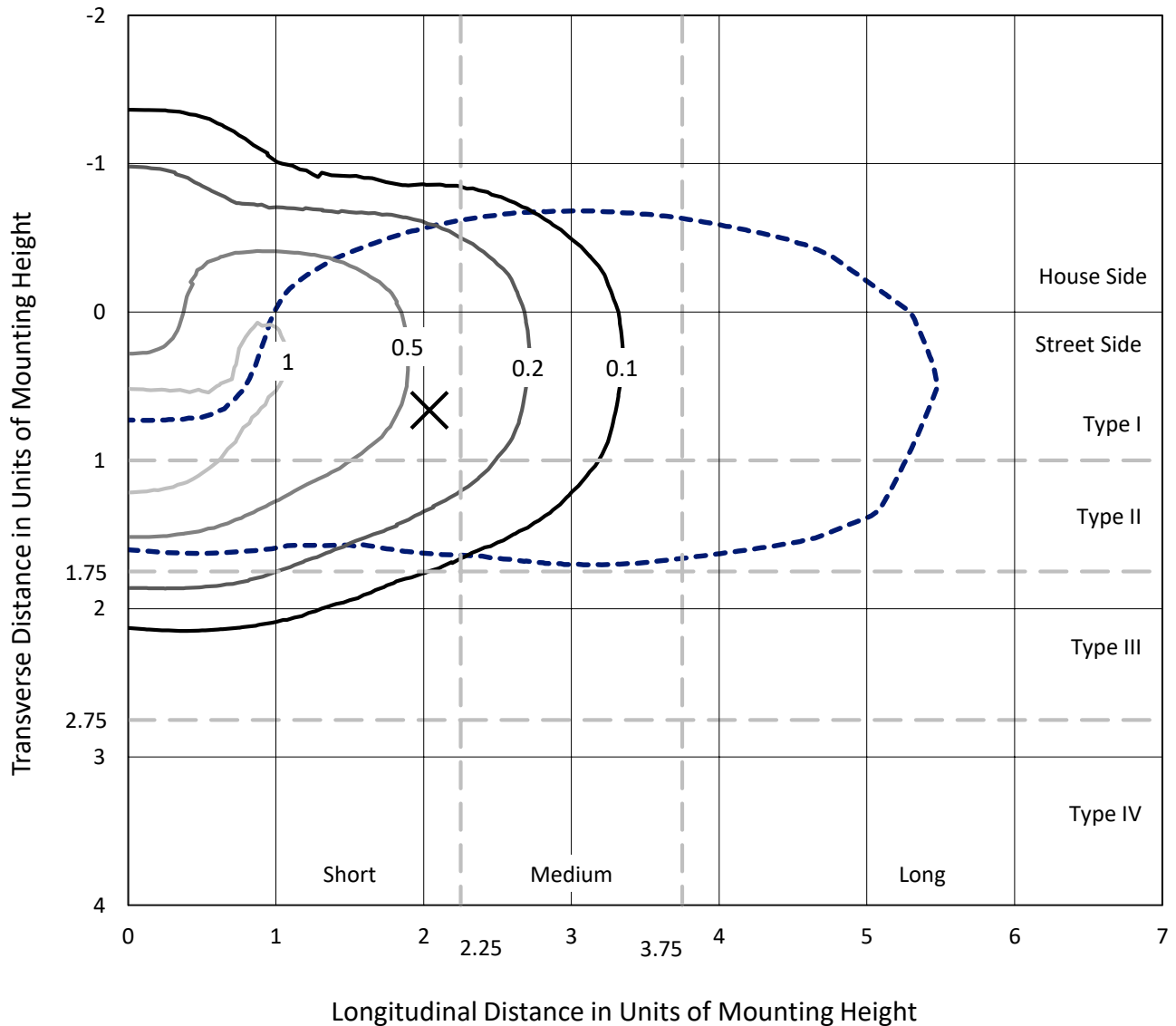


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

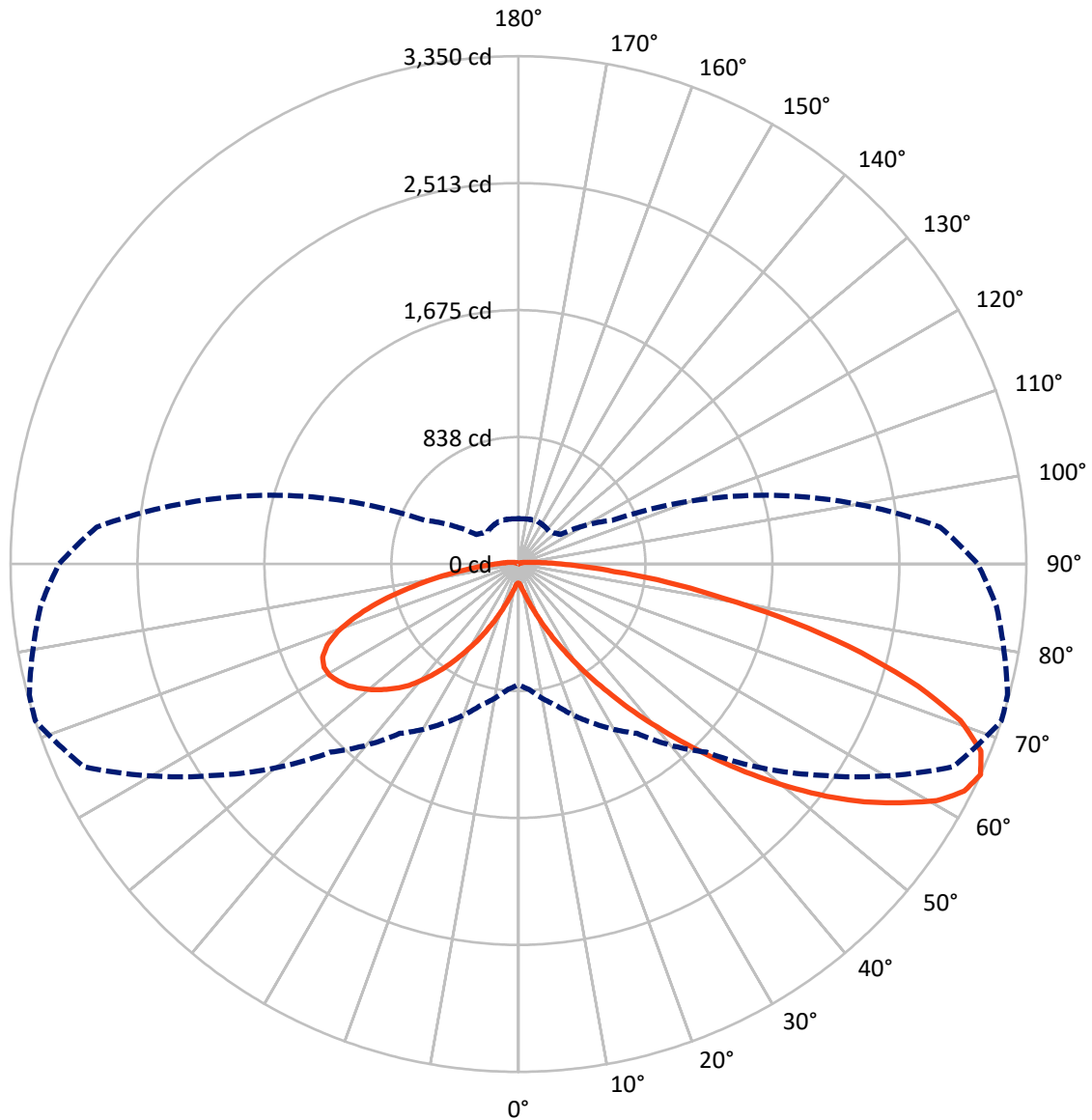


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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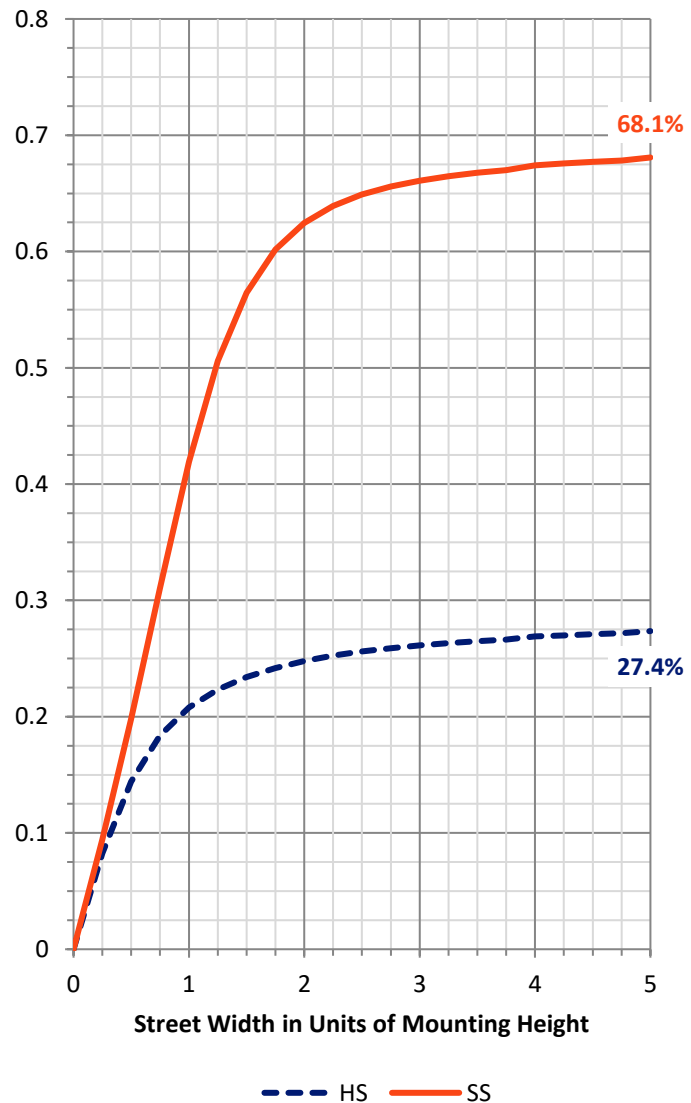
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1719.9	86.5	1806.4
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	4209.2	84.4	4293.6
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	5929.1	170.9	6100.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.5	0.2
10°-20°	73.8	1.2
20°-30°	233.7	3.8
30°-40°	560.1	9.2
40°-50°	1034.2	17.0
50°-60°	1409.2	23.1
60°-70°	1373.9	22.5
70°-80°	897.3	14.7
80°-90°	332.4	5.4
90°-100°	92.4	1.5
100°-110°	38.7	0.6
110°-120°	19.5	0.3
120°-130°	11.0	0.2
130°-140°	6.2	0.1
140°-150°	2.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5929.1	97.2
0°-180°	6100.0	100.0



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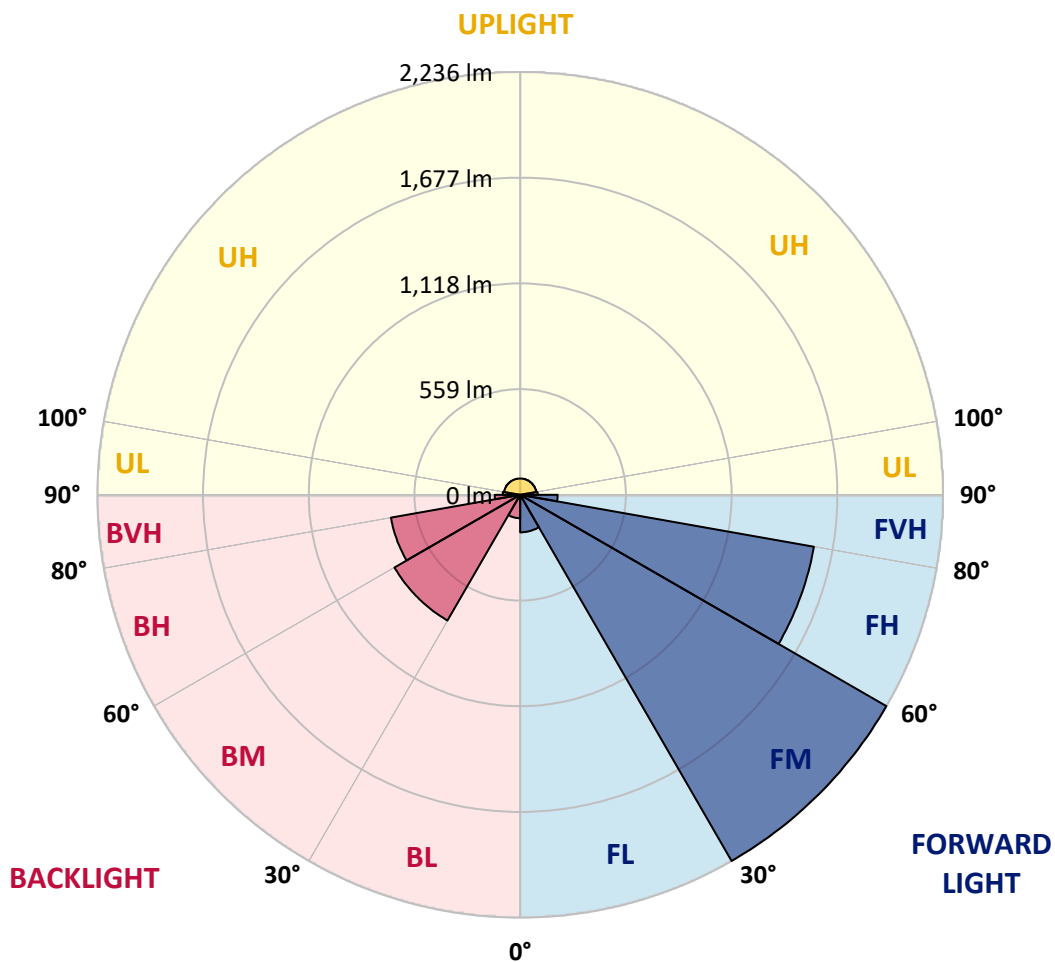
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.2	3.2			
FM (30°-60°)	2235.9	36.7			
FH (60°-80°)	1577.3	25.9			G1/1800
FVH (80°-90°)	197.9	3.2			G2/225
BL (0°-30°)	123.8	2.0	B1/500		
BM (30°-60°)	767.6	12.6	B1/1000		
BH (60°-80°)	693.9	11.4	B2/1000		G2/1000
BVH (80°-90°)	134.5	2.2			G2/225
UL (90°-100°)	92.4	1.5		U3/500	
UH (100°-180°)	86.5	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
2.5°	140.5	139.8	138.4	137.7	137.7	136.3	134.8	132.7	131.3	130.6	129.2
5°	158.9	157.4	156.0	154.6	153.2	151.1	147.6	145.4	142.6	141.9	139.1
7.5°	185.0	183.6	179.3	177.9	175.8	173.0	168.7	164.5	161.7	159.6	155.3
10°	219.6	218.2	215.3	211.8	207.6	201.9	194.9	190.6	183.6	185.0	178.6
12.5°	266.9	263.3	259.8	254.2	245.7	239.3	229.5	225.2	217.5	217.5	209.7
15°	324.1	323.4	316.3	304.3	296.5	283.1	274.6	265.5	260.5	260.5	254.2
17.5°	398.2	393.3	387.6	371.4	353.7	337.5	326.2	319.8	314.2	312.8	304.3
20°	490.0	482.9	474.4	445.5	424.3	404.5	388.3	383.4	379.1	378.4	371.4
22.5°	606.5	591.6	576.1	547.9	514.0	479.4	468.1	456.8	457.5	458.9	442.7
25°	735.7	731.4	703.9	663.7	619.2	581.1	550.0	545.8	550.0	547.2	540.8
27.5°	901.6	887.5	852.9	801.3	730.7	686.2	653.1	650.2	650.9	654.5	643.9
30°	1095.0	1088.0	1044.2	958.1	867.0	807.7	771.7	766.7	775.2	775.9	759.7
32.5°	1323.1	1309.0	1241.9	1145.9	1021.6	946.1	905.1	903.7	912.9	915.0	902.3
35°	1553.9	1546.9	1480.5	1342.8	1206.6	1092.2	1050.6	1053.4	1059.7	1072.4	1057.6
37.5°	1820.1	1801.1	1715.6	1570.2	1397.9	1260.9	1216.5	1226.4	1236.2	1236.2	1215.8
40°	2071.5	2064.4	1974.7	1791.9	1585.7	1458.6	1409.9	1415.6	1414.9	1415.6	1388.7
42.5°	2304.4	2280.4	2201.4	2007.2	1794.7	1665.5	1606.9	1616.1	1624.5	1630.9	1563.1
45°	2461.9	2441.4	2371.5	2180.2	1992.4	1870.2	1832.1	1832.1	1842.0	1839.2	1772.1
47.5°	2517.7	2514.8	2462.6	2317.2	2144.9	2050.3	2052.4	2060.2	2075.0	2061.6	1965.6
50°	2491.5	2480.2	2471.1	2389.9	2271.3	2226.1	2268.4	2308.0	2309.4	2285.4	2163.2
52.5°	2327.7	2329.2	2375.8	2360.9	2306.6	2352.5	2481.7	2551.5	2545.2	2521.9	2375.0
55°	2078.5	2089.8	2171.0	2233.1	2266.3	2393.4	2639.8	2784.5	2770.4	2737.9	2589.0
57.5°	1746.7	1783.4	1892.1	2027.7	2146.3	2355.3	2725.9	2986.5	2971.6	2971.6	2802.2
60°	1393.7	1423.3	1583.6	1748.8	1935.9	2226.8	2734.4	3134.7	3170.7	3148.1	2953.3
62.5°	1080.9	1093.6	1259.5	1467.8	1668.3	2010.7	2637.0	3205.3	3300.6	3281.6	3088.8
65°	795.7	831.7	965.8	1156.5	1364.0	1755.9	2428.7	3163.7	3350.1	3340.2	3163.7
67.5°	591.6	607.9	720.1	896.6	1102.1	1438.9	2125.1	2981.5	3290.8	3299.2	3152.4
70°	443.4	447.6	535.2	680.6	855.7	1135.3	1771.4	2690.6	3093.8	3131.9	3051.4
72.5°	335.4	343.1	415.8	530.2	660.1	874.1	1400.0	2295.3	2757.7	2852.3	2822.0
75°	262.6	271.8	321.9	410.2	510.5	661.5	1059.7	1827.9	2336.2	2458.4	2492.2
77.5°	207.6	217.5	259.8	327.6	398.2	510.5	778.7	1367.6	1866.0	1988.1	2087.0
80°	163.1	170.2	207.6	257.7	313.5	377.0	545.8	994.1	1370.4	1522.9	1613.3
82.5°	124.3	132.0	161.0	203.3	245.7	288.1	389.7	676.4	994.1	1063.3	1217.2
85°	90.4	97.4	121.4	156.0	189.2	223.1	285.2	451.1	633.3	715.9	793.6
87.5°	66.4	69.2	90.4	115.8	145.4	168.7	205.5	288.1	402.4	443.4	508.3
90°	46.6	49.4	66.4	85.4	110.1	132.0	151.1	190.6	250.6	287.3	299.4
92.5°	34.6	36.7	49.4	64.2	84.7	102.4	114.4	134.8	163.1	178.6	188.5
95°	26.1	28.2	38.8	50.8	65.7	80.5	89.7	97.4	113.7	117.9	126.4
97.5°	21.2	22.6	31.8	41.7	53.0	66.4	71.3	75.5	81.2	85.4	89.0
100°	18.4	19.1	26.8	35.3	45.2	53.7	57.9	60.0	63.5	65.0	66.4
102.5°	16.2	16.2	23.3	30.4	38.8	45.2	48.7	48.7	49.4	50.1	49.4
105°	14.1	14.8	20.5	26.8	33.2	38.8	41.7	40.2	39.5	38.8	36.7
107.5°	13.4	13.4	18.4	24.0	29.7	33.9	36.0	33.2	31.8	30.4	28.2
110°	12.0	12.7	16.2	21.2	26.1	29.7	31.1	28.2	25.4	24.0	21.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.3	12.0	14.8	19.1	23.3	26.8	26.8	24.0	20.5	19.1	17.7
115°	11.3	11.3	13.4	16.9	21.2	24.0	24.0	20.5	16.9	15.5	14.8
117.5°	11.3	11.3	12.7	15.5	19.1	21.2	21.2	17.7	14.1	12.7	12.7
120°	10.6	10.6	12.0	14.1	17.7	19.1	18.4	15.5	12.0	11.3	11.3
122.5°	10.6	10.6	11.3	13.4	16.2	17.7	16.9	13.4	10.6	9.2	9.9
125°	11.3	10.6	11.3	12.7	14.8	15.5	14.8	11.3	9.2	8.5	9.2
127.5°	11.3	11.3	10.6	12.0	13.4	14.1	13.4	9.9	7.8	7.8	8.5
130°	11.3	11.3	10.6	11.3	12.0	12.7	11.3	8.5	7.1	7.1	7.8
132.5°	11.3	11.3	10.6	10.6	11.3	11.3	9.9	7.1	6.4	6.4	7.1
135°	11.3	11.3	9.9	9.9	9.9	9.9	8.5	6.4	5.6	5.6	6.4
137.5°	10.6	10.6	9.9	9.2	9.2	8.5	7.1	4.9	4.2	4.9	5.6
140°	9.9	9.9	9.2	7.8	7.8	7.1	5.6	4.2	3.5	4.2	4.2
142.5°	9.2	9.2	8.5	7.1	6.4	5.6	4.9	2.8	2.8	2.8	3.5
145°	8.5	8.5	7.8	5.6	4.9	4.2	3.5	2.1	2.1	2.1	2.8
147.5°	7.1	7.1	6.4	4.9	3.5	3.5	2.1	1.4	2.1	2.1	2.1
150°	5.6	5.6	4.9	3.5	2.8	2.1	0.7	1.4	1.4	1.4	2.1
152.5°	4.9	4.9	3.5	2.8	1.4	0.7	0.7	0.7	1.4	1.4	1.4
155°	3.5	3.5	2.8	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
157.5°	2.1	2.1	1.4	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	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°	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
2.5°	127.8	127.8	127.1	126.4	125.7	125.0	123.6	122.8	122.8	122.1	122.1
5°	137.7	137.0	134.8	132.7	129.9	128.5	126.4	125.0	124.3	123.6	123.6
7.5°	153.2	151.8	147.6	144.0	140.5	137.7	134.1	132.0	131.3	129.2	129.9
10°	175.1	173.0	168.0	161.7	155.3	151.1	146.1	143.3	141.9	140.5	139.1
12.5°	206.9	202.6	194.2	185.7	176.5	168.0	163.1	161.0	162.4	161.7	162.4
15°	250.6	242.9	230.2	217.5	201.2	190.6	189.2	188.5	188.5	189.2	190.6
17.5°	300.1	291.6	275.3	252.0	233.0	222.4	216.0	215.3	218.9	219.6	218.9
20°	365.0	356.5	331.1	299.4	271.8	254.9	246.4	246.4	251.3	252.8	255.6
22.5°	434.9	430.0	395.4	351.6	314.9	287.3	275.3	276.8	283.8	285.9	287.3
25°	532.3	512.6	470.2	410.2	357.2	320.5	304.3	305.0	312.8	318.4	320.5
27.5°	639.7	617.1	554.9	476.6	399.6	348.1	329.7	330.4	339.6	346.7	348.1
30°	754.7	732.1	650.9	542.2	439.1	372.8	348.1	348.8	359.4	367.1	368.5
32.5°	877.6	859.2	745.6	612.8	473.7	389.7	360.1	360.8	370.0	377.0	378.4
35°	1032.9	991.2	857.8	675.7	502.7	400.3	365.7	365.0	374.2	381.2	382.7
37.5°	1186.1	1141.6	964.4	734.3	519.6	403.1	364.3	364.3	371.4	377.0	377.7
40°	1352.7	1278.6	1076.7	780.2	526.0	398.9	360.1	359.4	365.0	367.8	368.5
42.5°	1532.1	1441.0	1186.8	816.9	523.2	389.7	352.3	353.0	355.1	355.1	354.4
45°	1693.7	1601.2	1281.4	840.9	513.3	377.7	343.1	343.8	344.5	338.9	338.9
47.5°	1883.7	1771.4	1370.4	846.5	493.5	365.7	336.1	337.5	333.9	326.2	324.8
50°	2063.7	1938.7	1460.0	844.4	473.0	353.0	329.0	330.4	324.1	313.5	311.4
52.5°	2264.2	2103.9	1544.8	833.8	448.3	341.7	324.1	325.5	318.4	305.7	303.6
55°	2461.9	2279.0	1622.4	815.5	427.1	329.7	319.1	322.7	313.5	300.8	300.1
57.5°	2650.4	2452.7	1686.7	788.6	404.5	321.2	315.6	319.8	311.4	298.6	297.9
60°	2818.4	2600.3	1738.2	762.5	379.8	312.8	312.1	317.7	309.9	299.4	298.6
62.5°	2936.3	2733.0	1761.5	727.2	360.1	303.6	307.8	313.5	307.8	299.4	299.4
65°	3030.2	2792.3	1752.3	680.6	338.9	293.7	302.2	307.8	304.3	298.6	299.4
67.5°	3012.6	2790.9	1692.3	624.8	319.1	283.1	292.3	300.1	297.2	295.1	294.4
70°	2903.9	2658.9	1577.2	564.1	298.6	269.7	280.3	288.1	287.3	286.6	286.6
72.5°	2680.0	2430.1	1405.0	494.2	277.5	255.6	264.8	271.8	273.2	272.5	270.4
75°	2387.8	2115.2	1205.2	428.6	255.6	238.6	248.5	252.8	254.9	253.5	253.5
77.5°	1959.2	1763.6	958.1	362.2	232.3	219.6	226.6	230.2	233.0	229.5	227.3
80°	1556.8	1341.4	737.1	295.8	206.9	198.4	201.9	203.3	206.2	202.6	198.4
82.5°	1092.9	955.9	534.5	241.5	181.4	174.4	176.5	175.8	177.2	172.3	166.6
85°	730.0	642.5	367.8	194.2	155.3	149.0	149.0	146.9	145.4	140.5	136.3
87.5°	458.2	406.7	252.8	153.2	130.6	125.7	122.8	118.6	117.2	113.7	108.7
90°	282.4	259.8	176.5	122.8	108.7	104.5	101.7	95.3	94.6	89.0	85.4
92.5°	185.0	169.4	130.6	99.5	91.1	86.8	83.3	77.7	77.0	72.7	70.6
95°	122.1	118.6	99.5	83.3	77.0	73.4	69.9	65.0	63.5	59.3	56.5
97.5°	89.7	89.7	81.9	70.6	65.7	62.1	60.0	55.8	53.0	48.7	47.3
100°	67.8	68.5	65.7	60.7	56.5	53.0	50.8	47.3	45.2	40.9	40.2
102.5°	52.2	53.7	54.4	51.5	48.7	45.9	43.8	40.9	38.1	33.9	33.2
105°	40.2	41.7	44.5	43.8	42.4	40.2	38.1	35.3	31.8	28.2	28.2
107.5°	31.1	32.5	36.7	37.4	36.7	34.6	33.2	30.4	27.5	24.0	24.0
110°	24.0	26.1	30.4	31.8	31.8	30.4	28.9	26.1	22.6	20.5	20.5



REPORT NUMBER: P415571

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.8	21.9	25.4	27.5	27.5	26.8	24.7	21.9	19.1	17.7	17.7
115°	16.2	18.4	21.9	24.0	24.0	23.3	21.9	19.1	16.2	15.5	15.5
117.5°	14.1	15.5	18.4	20.5	21.2	20.5	19.1	16.2	14.1	14.1	14.1
120°	12.7	14.1	16.2	17.7	18.4	17.7	16.2	14.1	12.0	12.7	12.7
122.5°	11.3	12.0	14.1	16.2	16.2	16.2	14.8	12.0	10.6	11.3	11.3
125°	9.9	11.3	12.7	14.1	14.8	14.1	12.7	10.6	9.2	9.9	10.6
127.5°	9.2	9.9	11.3	12.7	12.7	12.7	11.3	9.2	8.5	9.2	9.2
130°	8.5	9.2	9.9	11.3	11.3	11.3	9.9	7.8	7.8	8.5	8.5
132.5°	7.8	8.5	9.2	9.9	9.9	9.9	8.5	7.1	6.4	7.8	7.8
135°	7.1	7.1	7.8	8.5	8.5	8.5	7.1	5.6	5.6	7.1	7.1
137.5°	5.6	6.4	7.1	7.1	7.1	7.1	5.6	4.9	4.9	5.6	5.6
140°	4.9	4.9	5.6	5.6	5.6	5.6	4.9	3.5	4.2	4.9	4.9
142.5°	4.2	4.2	4.9	4.9	4.9	4.2	3.5	2.8	3.5	4.2	4.2
145°	2.8	3.5	3.5	3.5	3.5	2.8	2.1	2.1	2.8	3.5	3.5
147.5°	2.8	2.8	2.8	2.8	2.8	2.1	1.4	1.4	2.1	2.8	2.8
150°	2.1	2.1	2.8	2.8	2.1	1.4	0.7	0.7	1.4	2.1	2.1
152.5°	1.4	1.4	2.1	2.1	1.4	0.7	0.0	0.0	0.7	0.7	0.7
155°	1.4	1.4	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.7	0.7	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

(END OF REPORT)