

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: P415522

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415522  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-740-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6143 lumens  
Efficiency: N/A  
Efficacy: 113.8 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: B1 - U3 - G3

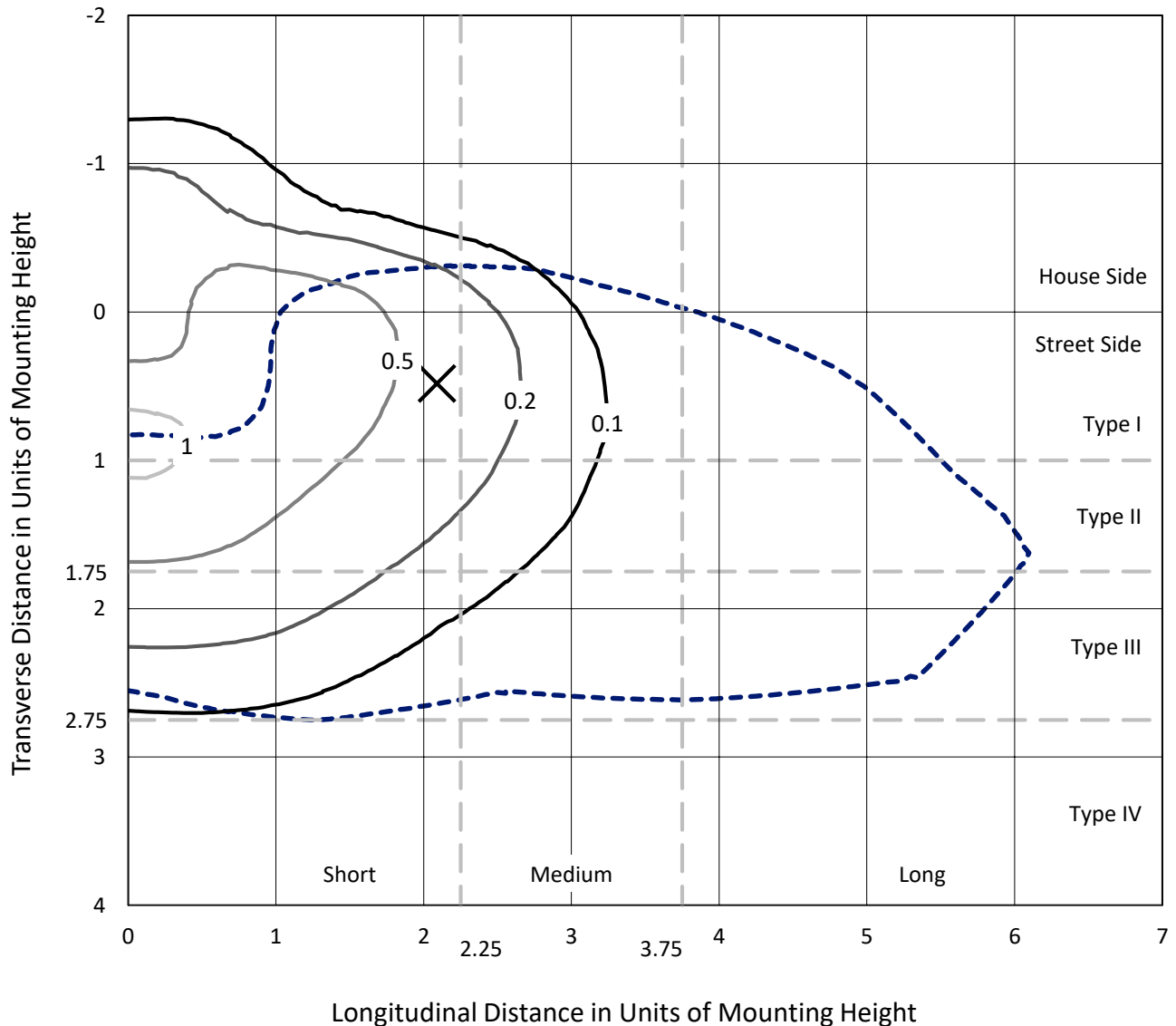
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

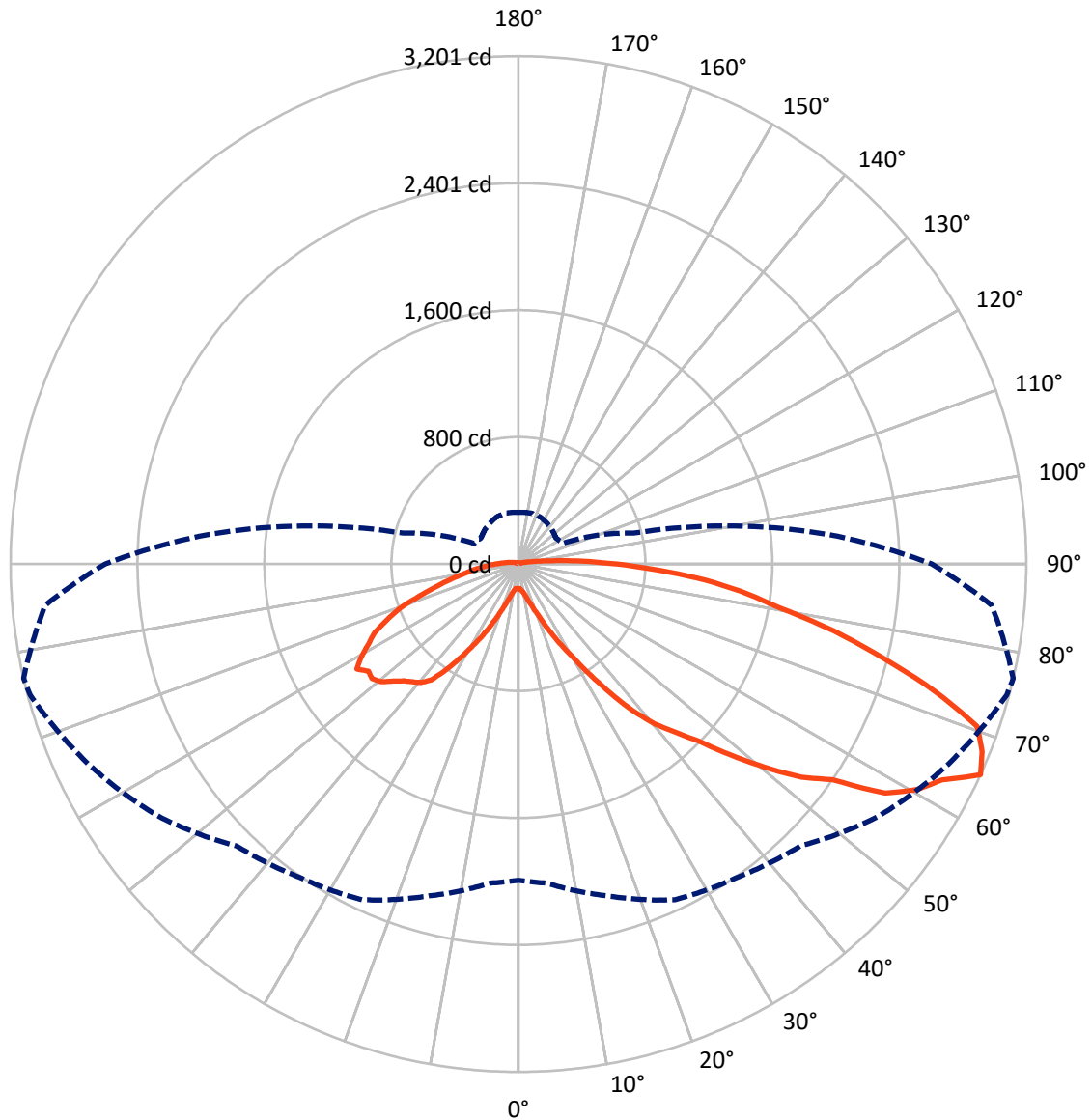


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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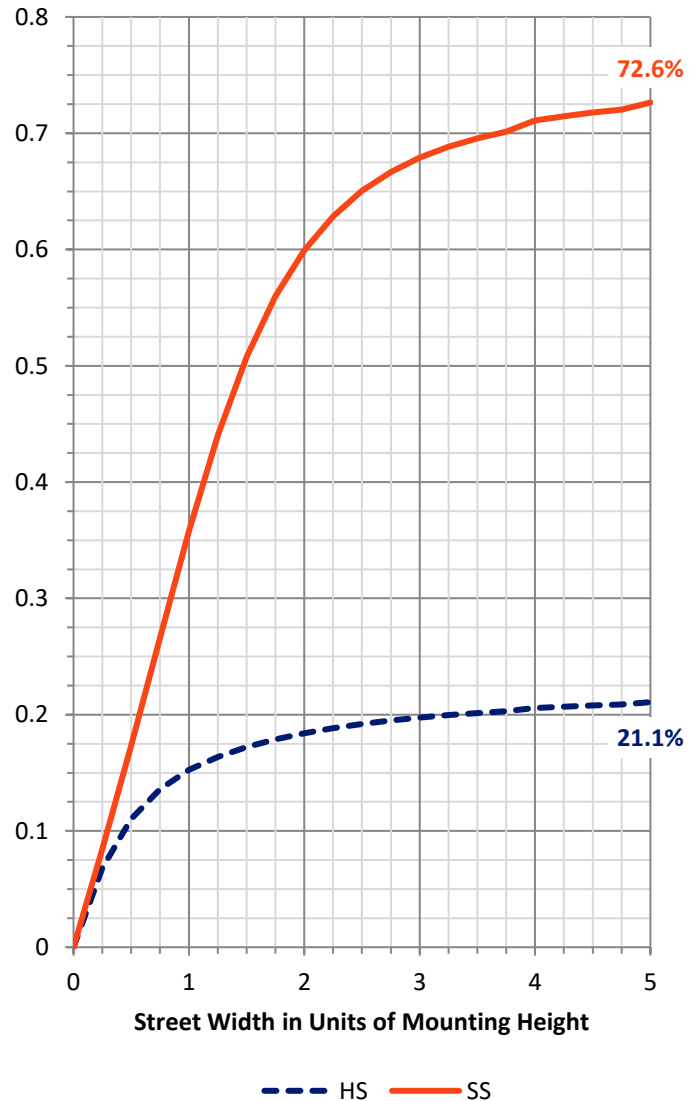
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1353.6	96.3	1449.9
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	4572.8	120.3	4693.1
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	5926.4	216.6	6143.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.8	0.3
10°-20°	67.3	1.1
20°-30°	197.2	3.2
30°-40°	472.0	7.7
40°-50°	849.9	13.8
50°-60°	1292.7	21.0
60°-70°	1525.0	24.8
70°-80°	1050.9	17.1
80°-90°	455.6	7.4
90°-100°	133.0	2.2
100°-110°	41.7	0.7
110°-120°	19.5	0.3
120°-130°	11.4	0.2
130°-140°	7.0	0.1
140°-150°	3.0	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5926.4	96.5
0°-180°	6143.0	100.0



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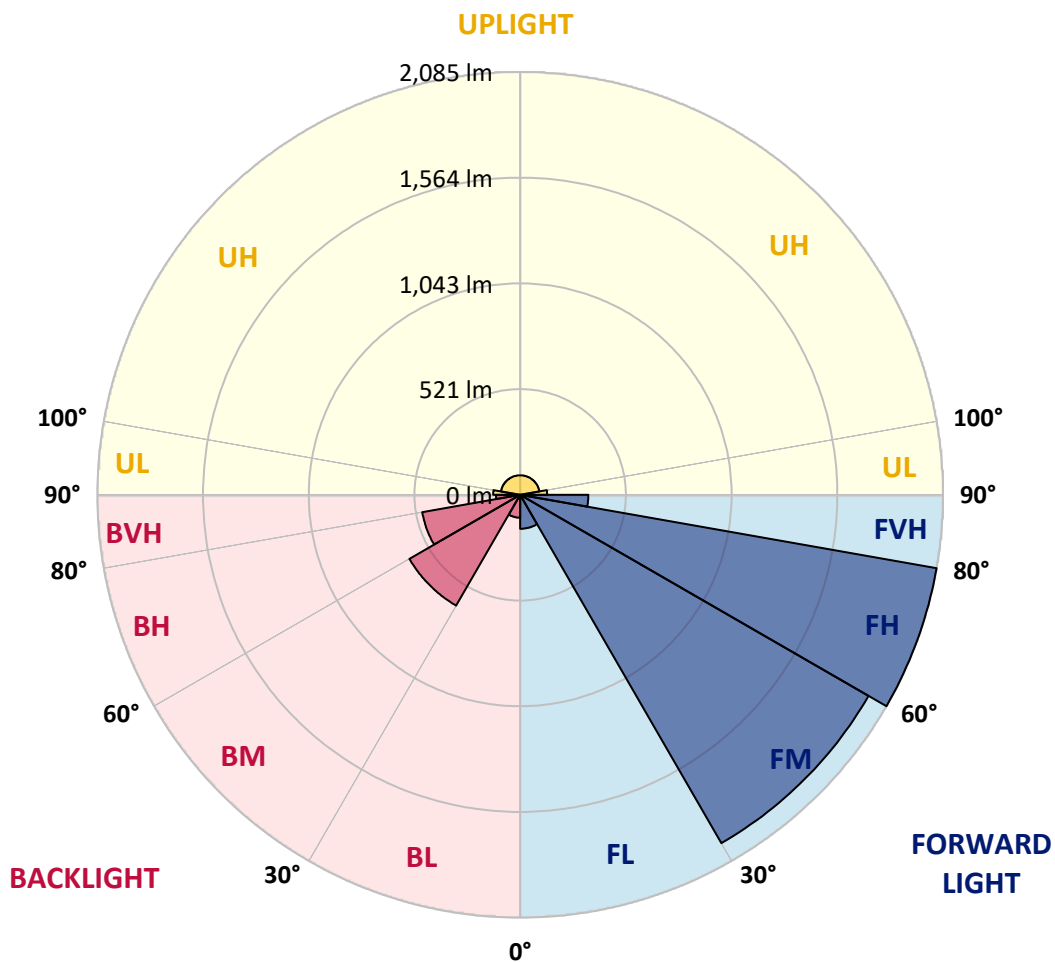
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.4	2.7			
FM	(30°-60°)	1983.7	32.3			
FH	(60°-80°)	2085.4	33.9			G2/5000
FVH	(80°-90°)	336.2	5.5			G3/500
BL	(0°-30°)	112.8	1.8	B1/500		
BM	(30°-60°)	630.9	10.3	B1/1000		
BH	(60°-80°)	490.4	8.0	B1/500		G1/500
BVH	(80°-90°)	119.5	1.9			G2/225
UL	(90°-100°)	133.0	2.2		U3/500	
UH	(100°-180°)	96.3	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6
2.5°	165.9	165.2	165.2	165.9	164.5	163.1	161.0	158.9	156.8	156.8	155.3
5°	179.4	178.6	178.6	178.6	175.8	173.7	168.8	165.9	163.1	161.7	159.6
7.5°	197.0	194.9	195.6	194.9	190.7	186.4	181.5	175.8	172.3	171.6	167.4
10°	220.3	218.9	217.5	214.7	210.4	203.4	196.3	191.4	186.4	185.7	180.8
12.5°	253.5	252.1	249.3	242.9	233.7	225.3	218.2	212.5	209.7	208.3	203.4
15°	293.7	289.5	288.1	278.2	265.5	255.6	247.8	244.3	241.5	241.5	235.1
17.5°	341.1	341.1	334.0	320.6	304.3	292.3	284.6	278.2	280.3	279.6	276.1
20°	399.7	398.3	387.7	370.0	350.2	338.9	329.1	325.5	328.3	331.2	331.2
22.5°	484.4	480.9	464.6	437.8	408.8	390.5	383.4	382.7	394.0	397.5	401.8
25°	579.7	574.8	554.3	521.8	485.8	457.6	447.7	455.4	475.9	483.7	492.2
27.5°	694.8	692.0	660.9	616.4	573.4	536.7	525.4	549.4	576.9	579.7	596.7
30°	843.1	844.5	802.2	737.9	664.5	626.3	613.6	642.6	683.5	686.3	720.2
32.5°	1014.7	1014.7	951.1	873.5	778.8	725.2	713.2	759.8	824.0	833.9	866.4
35°	1233.6	1220.9	1139.7	1028.1	909.5	829.7	828.3	901.0	989.3	999.2	1034.5
37.5°	1429.9	1437.7	1355.0	1209.6	1049.3	957.5	969.5	1062.0	1173.6	1176.4	1214.5
40°	1642.4	1650.9	1553.5	1401.6	1204.6	1101.5	1125.6	1211.7	1322.6	1324.7	1338.1
42.5°	1809.1	1831.0	1739.9	1581.7	1382.6	1265.4	1271.0	1351.5	1437.0	1447.5	1456.7
45°	1908.6	1924.9	1874.7	1748.4	1539.3	1429.2	1415.8	1481.4	1593.0	1590.2	1603.6
47.5°	2065.4	2084.5	2007.5	1892.4	1715.9	1579.6	1562.6	1648.1	1785.1	1799.2	1786.5
50°	2227.8	2253.2	2197.4	2063.3	1881.1	1748.4	1750.5	1847.9	2007.5	2012.4	2020.2
52.5°	2341.5	2359.8	2338.0	2244.8	2051.3	1930.5	1949.6	2066.1	2222.9	2232.0	2201.0
55°	2359.1	2387.4	2405.0	2383.9	2237.7	2118.4	2167.1	2283.6	2389.5	2397.3	2373.3
57.5°	2353.5	2376.8	2414.2	2430.5	2357.0	2311.8	2374.7	2494.0	2698.1	2724.2	2712.2
60°	2347.1	2364.1	2441.8	2465.8	2424.1	2460.1	2560.4	2772.9	2885.2	2887.3	2777.9
62.5°	2170.6	2198.9	2345.0	2465.8	2454.5	2523.0	2742.6	2890.1	2979.1	2995.4	2890.9
65°	1993.4	2018.1	2165.0	2334.4	2409.3	2512.4	2770.8	2988.3	3186.0	3200.8	2993.9
67.5°	1737.1	1775.9	1936.2	2140.2	2232.0	2396.6	2696.7	3022.9	3145.8	3152.1	2915.6
70°	1415.1	1468.0	1648.8	1864.2	1974.3	2141.0	2530.7	2899.3	3070.9	3067.4	2785.6
72.5°	1019.6	1066.9	1232.2	1487.8	1660.1	1842.3	2227.1	2653.6	2751.0	2747.5	2369.7
75°	692.7	718.1	842.4	1076.1	1324.0	1537.9	1918.5	2301.9	2384.6	2378.2	2030.1
77.5°	454.0	483.0	563.5	763.3	994.2	1240.7	1610.7	1927.0	2056.9	2033.6	1720.8
80°	278.2	294.5	360.8	515.5	753.4	1001.3	1331.7	1630.4	1697.5	1663.6	1405.2
82.5°	173.7	186.4	233.7	340.3	540.9	773.2	1092.4	1372.7	1447.5	1409.4	1155.9
85°	106.6	113.0	145.5	223.8	367.2	568.4	878.4	1113.5	1159.4	1131.9	871.4
87.5°	77.7	79.1	99.6	151.1	247.8	406.7	646.8	838.9	872.1	821.2	610.8
90°	57.2	60.0	73.4	106.6	172.3	276.1	445.6	590.3	598.8	567.7	408.1
92.5°	43.1	44.5	55.1	75.6	118.6	188.5	297.3	395.4	387.7	365.8	253.5
95°	31.1	31.8	39.5	53.7	83.3	126.4	189.2	247.8	223.1	214.0	153.9
97.5°	25.4	26.1	31.8	41.7	61.4	89.0	122.2	147.6	131.3	125.7	98.9
100°	21.9	21.9	26.8	34.6	48.0	66.4	81.2	92.5	84.7	81.9	69.9
102.5°	19.8	19.8	23.3	29.0	39.5	52.3	60.0	63.6	59.3	57.2	51.5
105°	17.7	17.7	20.5	24.7	33.2	42.4	45.9	46.6	42.4	41.7	39.5
107.5°	16.2	16.2	18.4	21.9	28.2	35.3	36.7	34.6	32.5	31.1	31.1
110°	14.1	14.8	16.2	19.1	24.7	29.7	29.7	26.8	24.0	24.0	24.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.4	13.4	14.8	17.7	21.9	25.4	24.0	21.2	19.1	19.1	20.5
115°	12.0	12.0	13.4	16.2	19.8	21.9	20.5	17.7	15.5	16.2	17.7
117.5°	11.3	11.3	12.7	14.8	17.7	19.1	17.7	14.8	13.4	14.1	16.2
120°	11.3	11.3	12.7	14.1	16.2	16.9	15.5	12.7	12.0	12.0	14.1
122.5°	11.3	11.3	12.0	14.1	15.5	15.5	13.4	11.3	10.6	10.6	12.7
125°	11.3	11.3	12.7	14.1	14.1	14.1	12.0	9.9	9.2	9.9	11.3
127.5°	12.0	12.0	12.7	13.4	13.4	12.7	10.6	9.2	8.5	9.2	10.6
130°	12.0	12.0	12.7	13.4	12.7	11.3	9.9	8.5	8.5	8.5	10.6
132.5°	12.0	12.0	12.7	12.7	12.0	9.9	8.5	7.1	7.8	8.5	9.9
135°	11.3	11.3	11.3	11.3	10.6	9.2	7.1	6.4	7.1	7.8	9.2
137.5°	10.6	10.6	10.6	10.6	9.2	7.8	5.6	4.9	6.4	6.4	7.8
140°	9.2	9.2	9.9	9.2	8.5	6.4	4.9	3.5	4.9	4.9	6.4
142.5°	8.5	8.5	8.5	8.5	7.1	5.6	3.5	3.5	4.2	4.2	4.9
145°	7.1	7.1	7.8	7.1	5.6	4.2	2.8	2.8	3.5	3.5	4.2
147.5°	5.6	6.4	6.4	5.6	4.9	3.5	2.1	2.1	2.8	2.8	3.5
150°	4.9	4.9	4.9	4.9	3.5	2.1	1.4	2.1	2.8	2.8	2.8
152.5°	3.5	3.5	4.2	4.2	2.8	1.4	1.4	2.1	2.1	2.1	2.8
155°	2.8	2.8	3.5	2.8	2.1	0.7	1.4	1.4	2.1	2.1	2.1
157.5°	1.4	1.4	2.1	2.1	1.4	0.7	0.7	1.4	1.4	1.4	2.1
160°	0.7	0.7	2.1	2.1	1.4	0.7	0.7	0.7	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°	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6
2.5°	154.6	153.2	152.5	151.1	149.7	148.3	148.3	148.3	147.6	146.9	147.6
5°	157.5	156.8	153.2	150.4	147.6	146.2	144.8	144.0	144.0	142.6	142.6
7.5°	165.2	162.4	157.5	152.5	149.7	146.9	144.8	144.0	143.3	141.9	141.9
10°	177.2	173.7	168.1	160.3	155.3	150.4	148.3	148.3	147.6	146.9	146.9
12.5°	199.8	195.6	185.7	175.1	165.2	158.2	156.8	158.9	163.1	163.8	163.8
15°	233.0	228.1	215.4	198.4	182.9	173.0	174.4	180.1	185.7	187.8	187.8
17.5°	274.0	268.3	250.0	225.3	204.8	195.6	194.9	202.7	210.4	214.7	214.7
20°	329.1	319.9	295.9	260.6	232.3	221.7	217.5	224.5	236.5	241.5	240.1
22.5°	397.5	387.0	353.1	299.4	264.1	245.0	239.4	247.1	262.0	268.3	267.6
25°	487.9	477.3	422.3	348.1	295.2	265.5	262.0	273.3	295.2	307.9	306.5
27.5°	593.1	575.5	502.1	402.5	325.5	282.4	283.2	302.2	324.8	338.9	337.5
30°	705.4	682.8	582.5	454.7	353.8	301.5	300.1	322.7	346.0	360.8	360.8
32.5°	853.7	820.5	675.8	504.9	375.7	316.3	311.4	336.8	360.8	376.4	375.7
35°	1012.6	968.1	773.2	557.8	394.0	324.1	318.5	344.6	369.3	387.7	387.7
37.5°	1194.8	1119.2	864.3	594.6	406.7	328.3	320.6	350.2	380.6	399.7	398.3
40°	1290.8	1206.1	908.1	610.8	408.8	329.1	324.1	355.2	380.6	387.7	384.1
42.5°	1398.1	1288.7	926.4	591.0	401.1	327.6	326.2	350.2	361.5	359.4	357.3
45°	1533.7	1386.1	944.1	566.3	382.7	325.5	322.7	336.8	337.5	329.1	326.2
47.5°	1706.7	1520.3	973.0	536.7	364.4	320.6	317.0	323.4	311.4	295.9	290.9
50°	1892.4	1675.6	1009.0	511.2	347.4	314.2	310.7	308.6	296.6	281.0	278.2
52.5°	2054.1	1780.8	1018.9	484.4	336.1	310.0	305.7	303.6	292.3	274.7	271.1
55°	2198.9	1870.5	984.3	444.1	326.9	307.2	305.7	305.7	293.7	275.4	271.9
57.5°	2484.8	2085.2	997.0	403.2	314.9	306.5	308.6	309.3	298.0	280.3	276.8
60°	2493.3	2044.2	922.9	374.2	304.3	306.5	311.4	312.8	305.0	293.0	290.9
62.5°	2574.5	2045.6	823.3	336.8	297.3	305.0	313.5	318.5	319.2	312.1	310.7
65°	2604.2	2016.0	751.3	307.2	287.4	301.5	314.2	326.2	330.5	326.9	325.5
67.5°	2490.5	1879.7	653.2	287.4	277.5	295.9	313.5	328.3	337.5	339.6	339.6
70°	2340.8	1726.5	565.6	268.3	266.9	288.1	308.6	328.3	341.1	346.7	346.7
72.5°	1960.9	1417.9	466.7	248.6	252.8	276.1	298.0	322.0	336.1	341.1	338.9
75°	1640.3	1167.2	384.1	231.6	238.7	261.3	283.2	306.5	316.3	319.2	317.0
77.5°	1387.5	970.9	315.6	216.1	221.7	242.2	262.0	278.2	284.6	283.2	279.6
80°	1118.5	757.7	259.1	197.0	202.7	218.9	233.0	245.7	252.1	248.6	246.4
82.5°	890.4	602.3	221.0	180.1	182.2	195.6	205.5	215.4	226.0	223.1	217.5
85°	658.8	443.4	187.8	161.7	161.7	171.6	176.5	185.7	200.5	199.8	197.7
87.5°	450.5	315.6	159.6	143.3	142.6	148.3	151.1	161.0	180.1	180.8	178.6
90°	296.6	216.1	133.5	124.3	122.9	127.1	129.2	137.7	153.2	154.6	151.8
92.5°	192.8	149.7	109.4	105.2	104.5	108.0	107.3	113.0	123.6	122.9	120.7
95°	123.6	104.5	89.0	86.9	84.7	89.0	87.6	89.0	94.6	93.2	93.2
97.5°	85.4	79.8	73.4	69.9	68.5	72.7	71.3	71.3	74.1	71.3	69.9
100°	65.7	63.6	60.7	57.9	55.1	58.6	58.6	58.6	60.7	56.5	55.1
102.5°	50.8	50.1	50.1	48.0	45.9	48.7	49.4	50.1	49.4	45.2	44.5
105°	40.2	40.2	41.7	39.5	38.8	41.0	41.7	41.0	41.0	37.4	37.4
107.5°	31.8	33.2	34.6	33.2	33.2	34.6	34.6	34.6	33.2	31.1	31.8
110°	26.1	27.5	29.7	28.2	28.2	29.7	29.0	28.2	27.5	26.8	26.8



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CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.6	23.3	24.7	24.0	24.7	25.4	24.7	23.3	23.3	23.3	24.0
115°	19.1	20.5	21.9	21.2	21.2	21.9	20.5	19.8	19.8	20.5	20.5
117.5°	16.9	18.4	19.1	19.1	18.4	19.1	17.7	16.9	17.7	18.4	18.4
120°	15.5	16.2	16.9	16.9	16.2	16.2	15.5	14.8	15.5	16.2	16.9
122.5°	14.1	14.8	14.8	15.5	14.8	14.1	13.4	13.4	14.1	14.8	14.8
125°	12.7	13.4	13.4	13.4	13.4	12.7	12.0	12.0	12.7	13.4	14.1
127.5°	11.3	12.0	12.0	12.7	12.0	11.3	10.6	11.3	12.0	12.7	12.7
130°	11.3	11.3	11.3	11.3	10.6	9.9	9.9	9.9	11.3	12.0	12.0
132.5°	10.6	11.3	10.6	10.6	9.9	8.5	8.5	9.2	10.6	11.3	11.3
135°	9.9	9.9	9.2	9.2	8.5	7.8	7.1	8.5	9.2	9.9	9.9
137.5°	8.5	8.5	7.8	7.1	7.1	6.4	6.4	7.1	8.5	9.2	9.2
140°	6.4	7.1	6.4	5.6	5.6	4.9	5.6	6.4	7.8	7.8	7.8
142.5°	4.9	5.6	4.9	4.2	4.2	4.2	4.2	5.6	7.1	7.1	7.1
145°	4.2	4.2	4.2	3.5	2.8	2.8	3.5	4.9	6.4	6.4	6.4
147.5°	3.5	3.5	3.5	2.8	2.1	2.1	2.8	4.2	4.9	4.9	4.9
150°	2.8	2.8	2.8	2.8	2.1	1.4	2.1	3.5	4.2	4.2	4.2
152.5°	2.8	2.8	2.8	2.1	1.4	0.7	1.4	2.8	3.5	3.5	3.5
155°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	2.1	2.8	2.8	2.8
157.5°	2.1	2.1	2.1	1.4	0.7	0.0	0.7	2.1	2.8	2.1	2.1
160°	1.4	1.4	1.4	1.4	0.7	0.0	0.7	1.4	2.1	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

(END OF REPORT)