

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: P416380

Luminaire Tested: **LXF.LXT-PA1-70-750-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416380  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-750-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8014 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

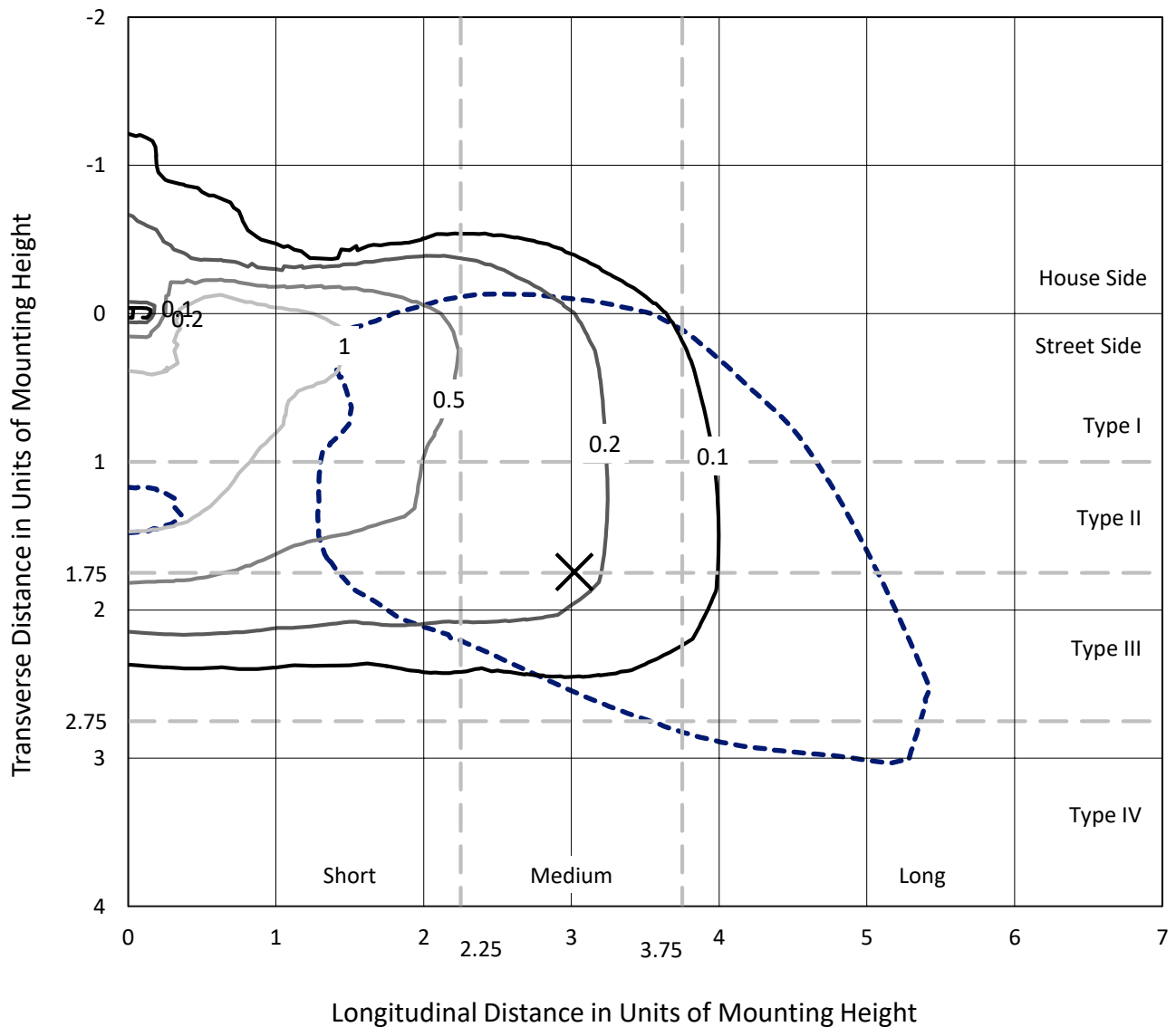
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

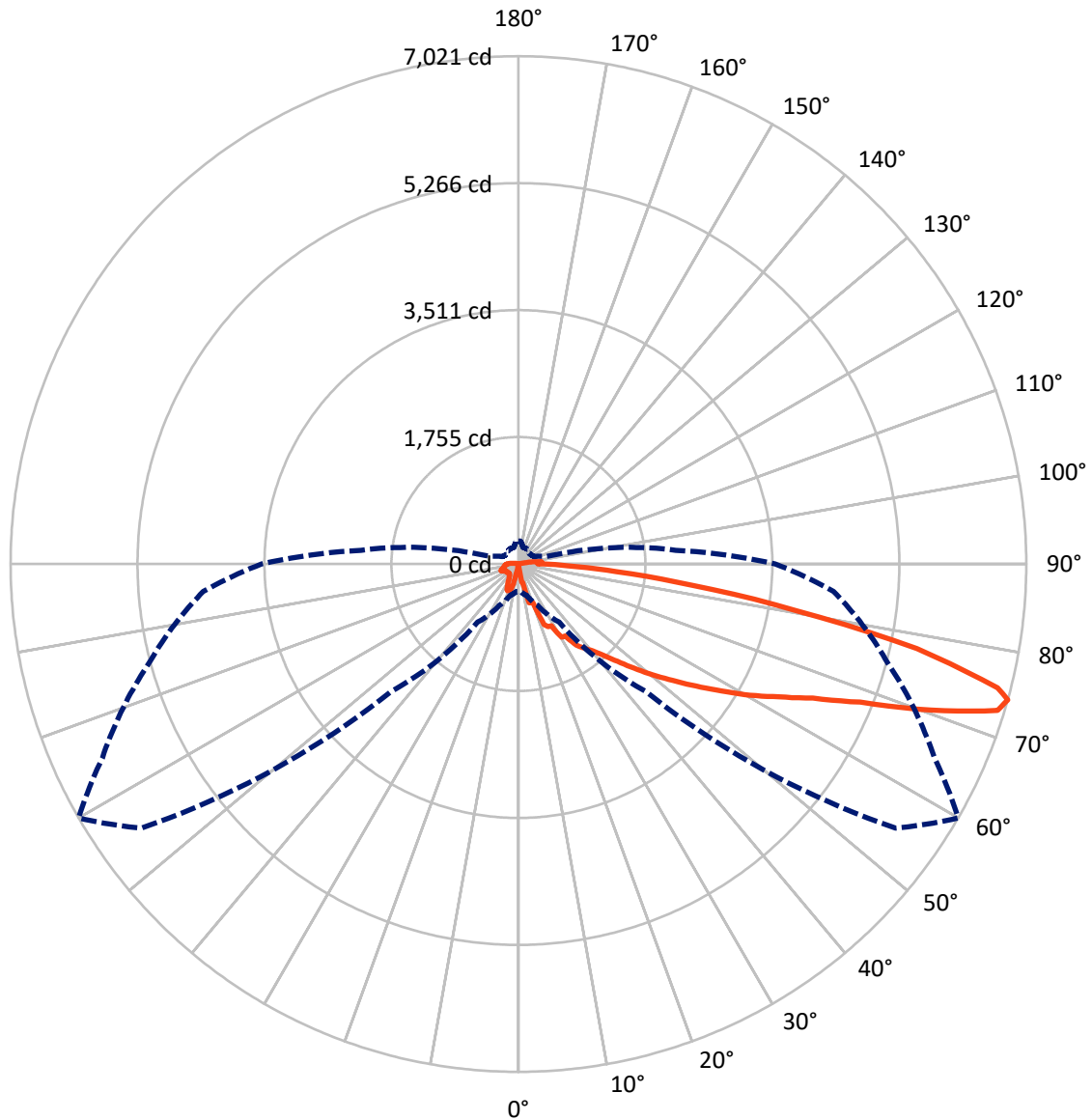
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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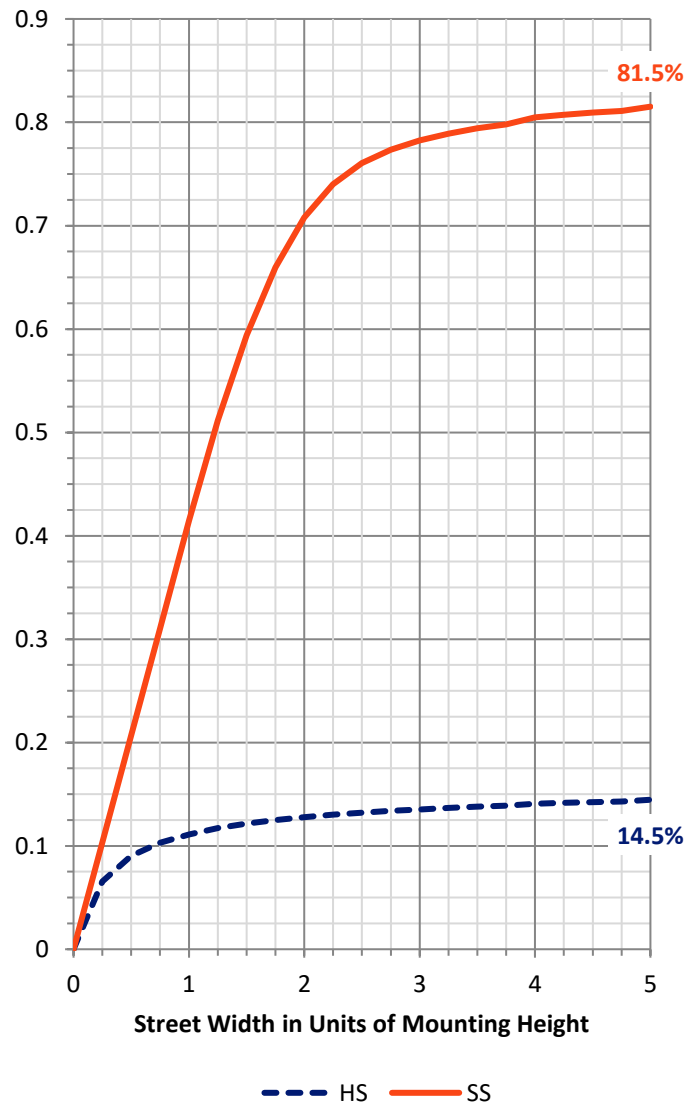
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1229.9	77.9	1307.8
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	6622.7	83.5	6706.2
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	7852.6	161.4	8014.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.9	0.1
10°-20°	102.4	1.3
20°-30°	309.9	3.9
30°-40°	620.3	7.7
40°-50°	1064.2	13.3
50°-60°	1622.2	20.2
60°-70°	1998.8	24.9
70°-80°	1671.0	20.9
80°-90°	455.1	5.7
90°-100°	117.6	1.5
100°-110°	21.1	0.3
110°-120°	7.8	0.1
120°-130°	5.9	0.1
130°-140°	4.1	0.1
140°-150°	3.3	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7852.6	98.0
0°-180°	8014.0	100.0



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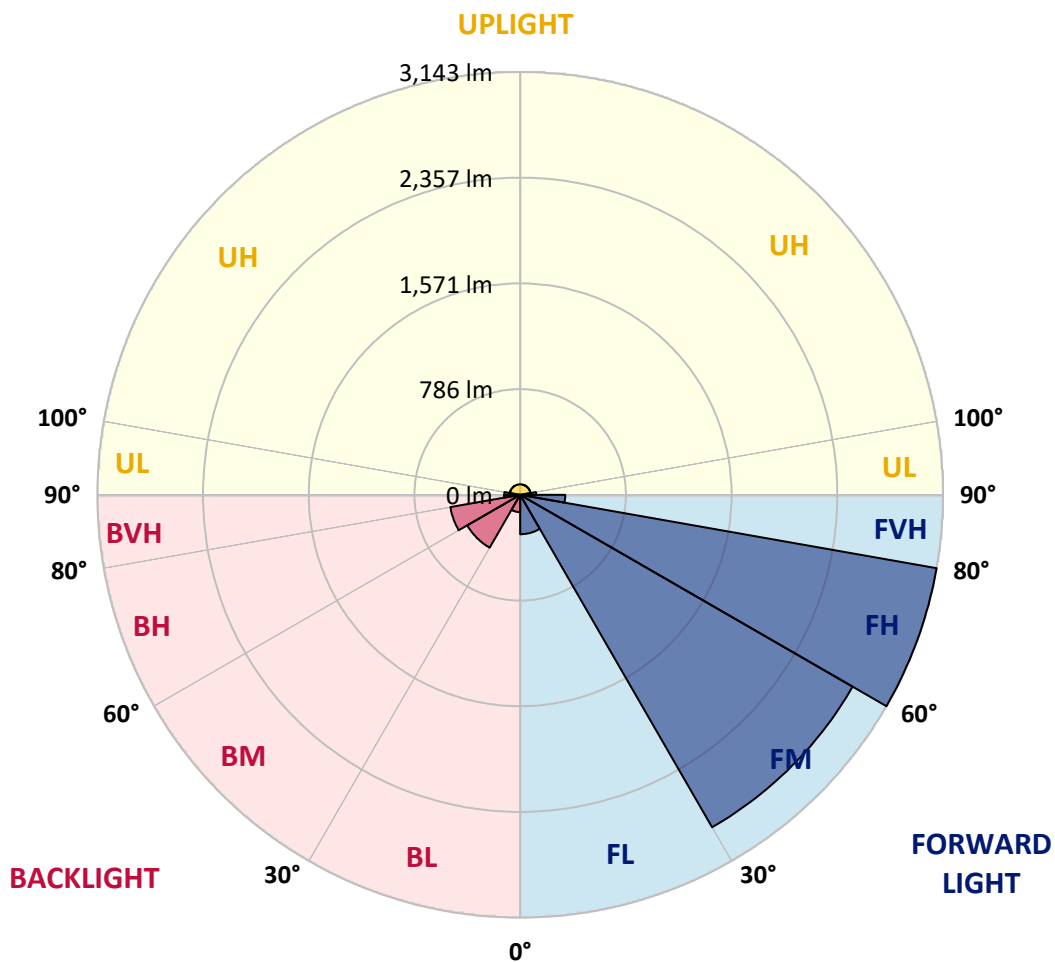
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.7	3.7			
FM (30°-60°)	2852.9	35.6			
FH (60°-80°)	3142.6	39.2			G2/5000
FVH (80°-90°)	334.5	4.2			G3/500
BL (0°-30°)	128.5	1.6	B1/500		
BM (30°-60°)	453.8	5.7	B1/1000		
BH (60°-80°)	527.1	6.6	B2/1000		G2/1000
BVH (80°-90°)	120.6	1.5			G2/225
UL (90°-100°)	117.6	1.5		U3/500	
UH (100°-180°)	77.9	1.0		U3/500	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	10.1	9.1	8.2	9.1	10.1	9.1	7.3	6.4	5.5	5.5	5.5
5°	267.1	263.5	261.6	204.0	48.5	30.2	11.9	8.2	7.3	5.5	5.5
7.5°	270.8	267.1	268.0	267.1	262.6	262.6	85.1	31.1	17.4	6.4	6.4
10°	285.4	279.9	272.6	271.7	269.9	267.1	262.6	257.1	58.5	10.1	9.1
12.5°	526.9	524.2	520.5	401.6	290.9	270.8	268.0	261.6	201.3	38.4	177.5
15°	523.3	522.4	516.0	518.7	517.8	294.6	333.9	557.1	535.2	387.9	447.4
17.5°	548.9	546.2	526.9	515.0	516.0	588.2	546.2	549.8	551.6	490.3	479.4
20°	744.7	740.1	738.3	717.2	524.2	690.7	704.4	570.9	584.6	761.1	850.8
22.5°	753.8	747.4	740.1	734.6	827.0	688.0	744.7	909.3	868.2	1007.2	949.6
25°	1018.2	1000.8	928.6	752.0	826.1	792.2	963.3	958.7	907.5	1051.1	1015.5
27.5°	1102.4	1090.5	1037.4	997.2	842.6	948.7	957.8	967.9	1141.7	1450.0	1351.2
30°	1476.5	1384.1	1145.4	1120.7	1005.4	956.9	1095.0	1173.7	1284.4	1456.4	1429.0
32.5°	1690.6	1645.8	1530.5	1353.9	1177.4	1046.6	1187.4	1187.4	1290.8	1760.1	1806.8
35°	2037.3	1892.8	1667.7	1547.9	1343.0	1252.4	1224.0	1378.6	1525.9	1848.9	1846.1
37.5°	2162.7	2148.9	2064.8	1697.0	1579.0	1362.2	1427.1	1474.7	1599.1	1976.9	1971.5
40°	2231.3	2261.5	2267.9	2019.0	1753.7	1573.5	1550.6	1577.2	1697.0	2157.2	2087.6
42.5°	2463.6	2474.6	2508.5	2224.9	2015.4	1804.0	1740.0	1729.0	1812.3	2366.7	2241.3
45°	2838.7	2844.2	2819.5	2461.8	2228.5	2032.7	1961.4	1919.3	1992.5	2574.3	2436.2
47.5°	3268.7	3281.5	3162.6	2729.8	2422.5	2253.2	2214.8	2149.8	2196.5	2761.9	2678.6
50°	3610.8	3607.2	3394.9	2946.7	2618.2	2479.2	2467.3	2406.9	2412.4	2989.7	2940.3
52.5°	3699.6	3694.1	3512.9	3106.8	2796.6	2714.3	2768.3	2675.0	2626.5	3225.7	3212.0
55°	3566.0	3576.1	3491.0	3173.5	2910.1	2921.0	3061.0	2980.5	2914.6	3448.9	3470.9
57.5°	3373.0	3361.1	3373.9	3199.2	2998.8	3123.2	3409.6	3308.9	3245.8	3701.4	3726.1
60°	3015.3	2998.8	3164.4	3171.7	3081.1	3351.9	3780.1	3682.2	3593.4	3967.6	3941.1
62.5°	2470.9	2449.9	2749.1	3003.4	3175.4	3620.0	4146.0	4039.9	3953.9	4250.3	4200.0
65°	1644.9	1744.6	2095.0	2635.6	3140.6	4006.0	4629.9	4470.8	4314.3	4540.3	4531.1
67.5°	954.2	1025.5	1282.6	1874.5	2854.3	4336.3	5397.5	5095.6	4825.7	4868.7	4847.7
70°	591.9	613.8	725.5	1081.3	2011.7	4227.4	6248.3	6053.4	5481.6	5234.6	4897.1
72.5°	459.2	473.9	537.9	706.2	1223.1	3269.6	6652.6	6926.2	6144.0	5330.7	4653.7
74°	376.0	385.1	451.9	632.1	981.6	2492.9	6365.4	7021.3	6347.1	5284.0	4373.8
75°	297.3	306.5	381.5	606.5	933.1	1988.8	5940.0	6844.7	6353.5	5211.8	4036.2
77.5°	182.1	188.5	205.8	419.0	848.0	1136.2	4382.9	5634.4	5630.8	4328.1	2894.5
80°	144.5	146.4	153.7	220.5	690.7	1030.1	2775.6	3888.9	3860.6	2598.1	1482.9
82.5°	99.7	107.0	121.7	142.7	367.8	1009.1	1750.1	2416.1	2084.0	988.9	620.3
85°	66.8	72.3	92.4	106.1	196.7	1074.0	1256.1	1359.4	1025.5	489.4	408.9
87.5°	27.4	28.4	42.1	51.2	79.6	515.0	845.3	673.3	472.1	310.1	333.0
90°	14.6	14.6	11.0	11.9	29.3	110.7	276.3	268.0	222.3	255.2	312.9
92.5°	16.5	16.5	11.0	11.9	28.4	86.9	299.1	305.6	255.2	271.7	334.8
95°	18.3	18.3	11.0	11.0	27.4	59.5	287.3	322.9	262.6	285.4	337.6
97.5°	20.1	21.0	10.1	10.1	22.0	44.8	180.2	220.5	171.1	148.2	161.9
100°	21.0	21.0	9.1	9.1	14.6	32.0	83.2	106.1	82.3	38.4	26.5
102.5°	21.0	22.0	9.1	8.2	10.1	20.1	26.5	38.4	30.2	22.9	24.7
105°	20.1	22.0	9.1	8.2	8.2	11.0	13.7	15.6	16.5	16.5	25.6
107.5°	15.6	17.4	7.3	8.2	7.3	7.3	5.5	6.4	8.2	14.6	25.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.0	11.0	5.5	7.3	6.4	7.3	4.6	5.5	7.3	11.0	21.0
112.5°	5.5	4.6	3.7	5.5	5.5	6.4	4.6	4.6	6.4	9.1	14.6
115°	3.7	4.6	2.7	3.7	4.6	4.6	3.7	4.6	5.5	9.1	15.6
117.5°	3.7	3.7	2.7	3.7	4.6	3.7	3.7	4.6	5.5	9.1	15.6
120°	4.6	3.7	2.7	3.7	3.7	2.7	3.7	4.6	4.6	9.1	15.6
122.5°	4.6	4.6	3.7	3.7	3.7	2.7	3.7	3.7	4.6	9.1	14.6
125°	5.5	4.6	3.7	3.7	3.7	2.7	3.7	3.7	4.6	8.2	13.7
127.5°	5.5	5.5	3.7	3.7	4.6	2.7	3.7	3.7	4.6	7.3	12.8
130°	5.5	5.5	4.6	3.7	4.6	3.7	3.7	3.7	4.6	6.4	11.0
132.5°	5.5	5.5	4.6	4.6	4.6	3.7	3.7	3.7	3.7	5.5	9.1
135°	6.4	5.5	4.6	4.6	5.5	3.7	3.7	3.7	3.7	4.6	6.4
137.5°	6.4	6.4	5.5	5.5	6.4	4.6	3.7	4.6	4.6	4.6	5.5
140°	7.3	7.3	7.3	6.4	6.4	4.6	4.6	4.6	4.6	5.5	5.5
142.5°	9.1	8.2	8.2	7.3	6.4	4.6	4.6	4.6	5.5	5.5	5.5
145°	10.1	10.1	9.1	8.2	6.4	4.6	4.6	5.5	5.5	6.4	6.4
147.5°	10.1	10.1	9.1	7.3	5.5	3.7	4.6	5.5	5.5	6.4	7.3
150°	10.1	9.1	8.2	6.4	4.6	2.7	3.7	4.6	5.5	6.4	7.3
152.5°	7.3	7.3	6.4	4.6	3.7	1.8	2.7	3.7	4.6	5.5	6.4
155°	4.6	4.6	3.7	2.7	2.7	1.8	2.7	3.7	3.7	4.6	5.5
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.7	3.7
160°	0.9	0.9	1.8	0.9	1.8	1.8	1.8	2.7	2.7	2.7	2.7
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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	5.5	5.5	5.5	4.6	4.6	2.7	3.7	3.7	4.6	5.5	6.4
5°	5.5	6.4	5.5	4.6	4.6	3.7	4.6	4.6	4.6	6.4	6.4
7.5°	6.4	6.4	5.5	5.5	4.6	3.7	6.4	197.6	226.9	234.2	236.0
10°	8.2	8.2	7.3	6.4	5.5	213.2	235.1	235.1	233.3	235.1	235.1
12.5°	182.1	195.8	31.1	15.6	175.6	221.4	215.9	212.2	208.6	204.9	203.1
15°	442.8	429.1	393.4	295.5	272.6	203.1	186.6	258.9	276.3	280.9	279.9
17.5°	467.5	445.5	391.5	410.8	360.4	259.8	234.2	232.4	222.3	222.3	223.2
20°	879.1	828.8	534.3	400.7	312.9	314.7	200.3	178.4	186.6	198.5	205.8
22.5°	902.9	837.1	624.8	521.5	281.8	254.3	195.8	172.9	233.3	257.1	258.9
25°	963.3	858.1	633.1	439.1	318.4	208.6	194.9	180.2	214.1	236.0	234.2
27.5°	1304.5	1157.3	804.1	404.4	251.6	196.7	183.9	172.9	213.2	248.8	247.9
30°	1302.7	1140.8	742.8	372.3	207.7	183.0	167.4	188.5	198.5	212.2	213.2
32.5°	1691.5	1450.0	812.4	309.2	183.9	158.3	165.6	172.0	180.2	215.0	222.3
35°	1699.8	1418.0	705.3	283.6	169.2	150.9	155.5	170.2	187.5	209.5	211.3
37.5°	1732.7	1401.5	585.5	234.2	173.8	152.8	161.9	178.4	173.8	204.0	207.7
40°	1793.1	1406.1	492.2	209.5	171.1	152.8	169.2	172.0	172.9	188.5	190.3
42.5°	1886.4	1430.8	413.5	198.5	168.3	165.6	163.8	164.7	158.3	189.4	193.0
45°	2019.0	1482.0	353.1	194.9	168.3	193.0	171.1	164.7	150.9	217.7	233.3
47.5°	2214.8	1582.7	317.4	195.8	169.2	184.8	169.2	160.1	157.4	254.3	265.3
50°	2436.2	1697.9	293.7	199.4	169.2	182.1	166.5	164.7	174.7	258.0	260.7
52.5°	2674.0	1851.6	285.4	203.1	182.1	184.8	189.4	188.5	168.3	206.8	206.8
55°	2915.6	2010.8	288.2	207.7	192.1	189.4	202.2	178.4	144.5	153.7	151.9
57.5°	3143.3	2196.5	307.4	204.9	185.7	187.5	204.0	167.4	144.5	153.7	157.4
60°	3390.4	2397.8	360.4	197.6	183.0	182.1	201.3	176.6	144.5	176.6	177.5
62.5°	3691.3	2675.0	475.7	204.9	197.6	187.5	202.2	194.9	165.6	169.2	172.9
65°	4047.2	2961.3	585.5	233.3	208.6	188.5	199.4	204.9	187.5	181.1	180.2
67.5°	4307.9	3031.7	590.1	270.8	223.2	198.5	201.3	223.2	204.9	208.6	206.8
70°	4242.1	2839.6	511.4	286.3	232.4	206.8	206.8	231.5	215.9	247.9	248.8
72.5°	3920.0	2465.5	431.8	265.3	220.5	209.5	229.6	239.7	229.6	298.2	294.6
74°	3550.4	2183.7	397.0	241.5	215.9	208.6	236.0	239.7	236.9	318.4	315.6
75°	3266.9	1962.3	377.8	227.8	213.2	205.8	237.9	240.6	239.7	321.1	320.2
77.5°	2257.8	1325.6	330.3	203.1	208.6	205.8	236.9	246.1	252.5	319.3	316.5
80°	1158.2	725.5	275.4	192.1	206.8	211.3	234.2	237.9	247.9	301.9	299.1
82.5°	580.9	418.1	202.2	176.6	209.5	229.6	235.1	230.5	233.3	278.1	273.5
85°	374.2	289.1	134.5	148.2	213.2	248.8	234.2	215.0	218.6	242.4	240.6
87.5°	301.0	214.1	82.3	115.3	226.9	227.8	214.1	190.3	185.7	190.3	187.5
90°	278.1	198.5	69.5	108.9	219.6	190.3	174.7	155.5	139.1	140.0	134.5
92.5°	299.1	207.7	74.1	107.9	174.7	133.6	128.1	118.0	97.9	86.9	81.4
95°	294.6	199.4	75.0	91.5	128.1	75.9	90.6	83.2	60.4	45.7	43.0
97.5°	141.8	100.6	66.8	71.4	75.0	57.6	76.8	70.4	43.9	28.4	26.5
100°	26.5	37.5	59.5	67.7	59.5	44.8	60.4	54.0	23.8	14.6	13.7
102.5°	25.6	21.0	44.8	61.3	37.5	25.6	32.9	30.2	15.6	11.0	11.0
105°	26.5	21.0	21.0	42.1	22.9	11.9	10.1	14.6	11.0	11.0	11.9
107.5°	27.4	21.0	12.8	13.7	11.0	9.1	7.3	7.3	8.2	11.9	12.8



REPORT NUMBER: P416380

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.0	18.3	11.9	11.0	10.1	9.1	7.3	6.4	8.2	12.8	13.7
112.5°	15.6	14.6	11.0	9.1	8.2	8.2	6.4	5.5	8.2	13.7	14.6
115°	15.6	14.6	9.1	8.2	6.4	7.3	6.4	5.5	8.2	15.6	16.5
117.5°	16.5	13.7	9.1	7.3	5.5	5.5	5.5	5.5	9.1	15.6	16.5
120°	16.5	13.7	9.1	6.4	5.5	4.6	5.5	5.5	9.1	15.6	17.4
122.5°	15.6	13.7	8.2	6.4	5.5	4.6	4.6	4.6	8.2	15.6	16.5
125°	14.6	12.8	8.2	6.4	5.5	3.7	4.6	4.6	8.2	14.6	16.5
127.5°	13.7	11.9	8.2	6.4	4.6	3.7	4.6	4.6	8.2	13.7	15.6
130°	11.9	11.0	7.3	5.5	4.6	3.7	4.6	4.6	8.2	12.8	14.6
132.5°	10.1	9.1	6.4	5.5	4.6	3.7	4.6	3.7	6.4	11.9	12.8
135°	7.3	7.3	6.4	4.6	4.6	2.7	3.7	3.7	5.5	9.1	10.1
137.5°	6.4	6.4	5.5	4.6	4.6	2.7	3.7	2.7	4.6	7.3	8.2
140°	6.4	6.4	5.5	4.6	3.7	2.7	2.7	2.7	3.7	6.4	6.4
142.5°	6.4	6.4	5.5	4.6	3.7	2.7	2.7	2.7	3.7	5.5	6.4
145°	6.4	6.4	6.4	5.5	3.7	2.7	2.7	2.7	3.7	5.5	5.5
147.5°	7.3	7.3	6.4	4.6	3.7	1.8	1.8	2.7	3.7	5.5	5.5
150°	7.3	7.3	6.4	4.6	3.7	1.8	0.9	1.8	2.7	4.6	5.5
152.5°	6.4	6.4	5.5	4.6	2.7	1.8	0.9	1.8	2.7	4.6	4.6
155°	5.5	5.5	4.6	3.7	2.7	0.9	0.0	0.9	1.8	3.7	3.7
157.5°	3.7	4.6	3.7	2.7	1.8	0.9	0.0	0.9	0.9	2.7	2.7
160°	3.7	3.7	3.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	1.8
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)