

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: P417244

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-750-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9384 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

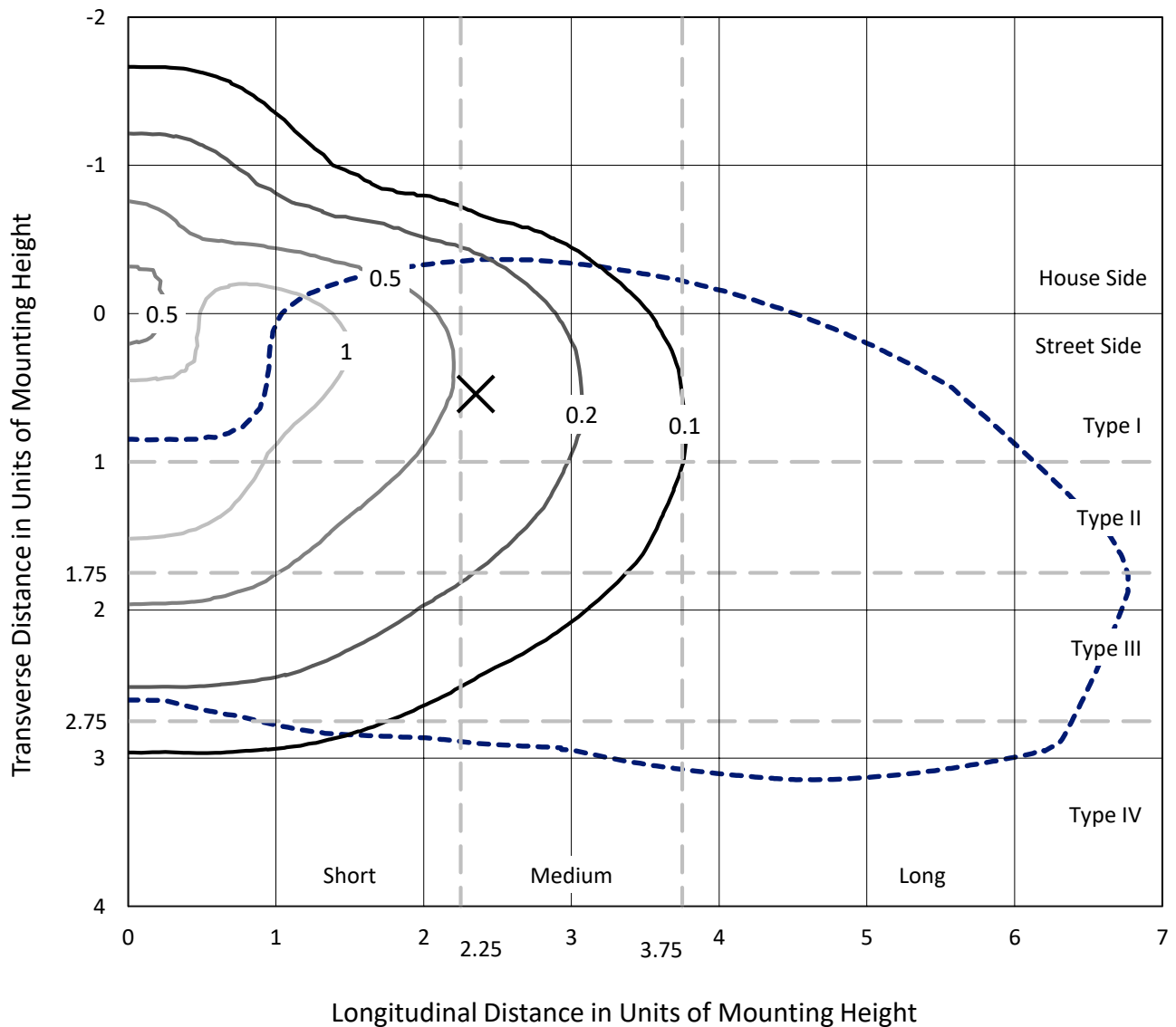
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

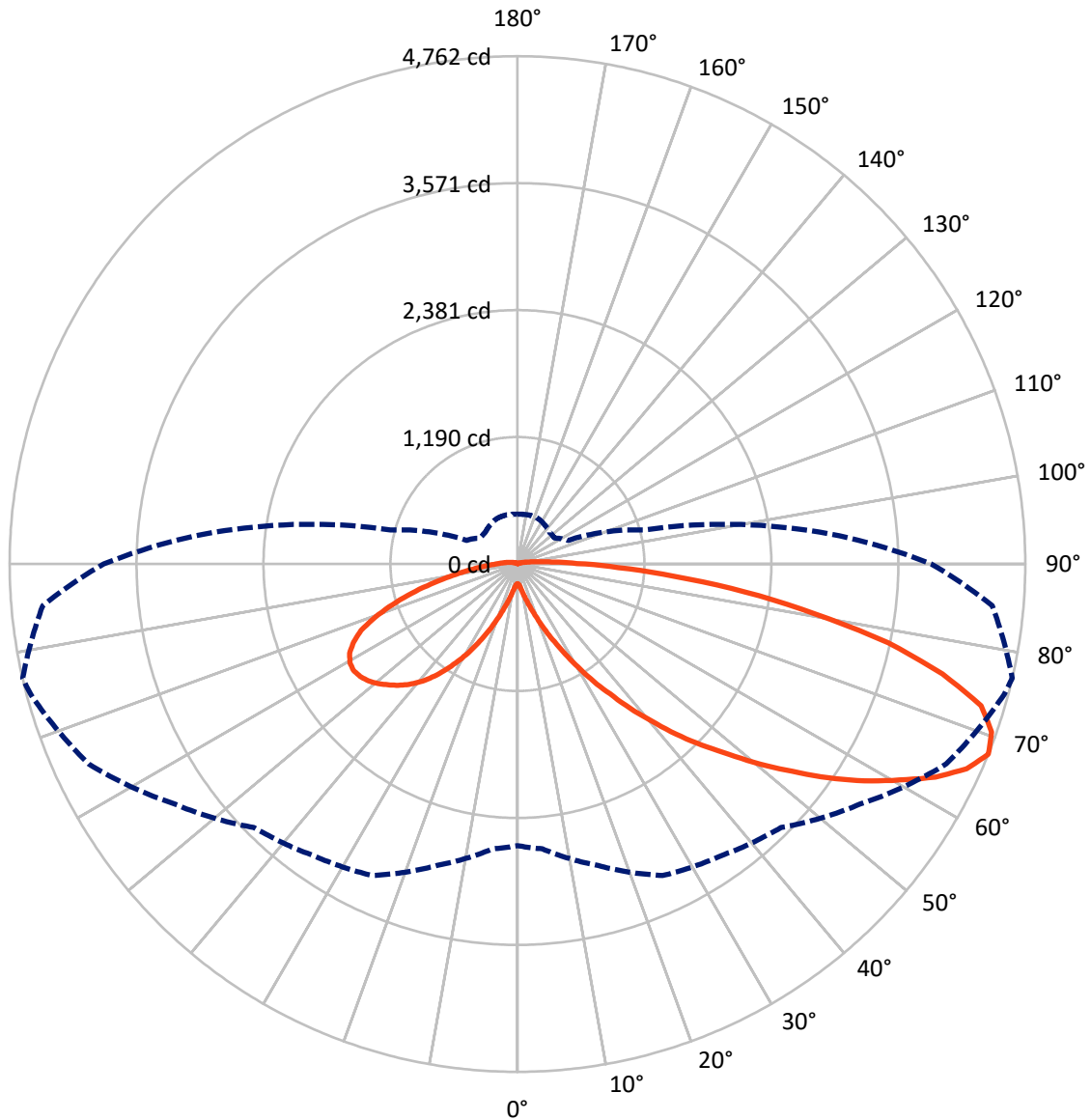
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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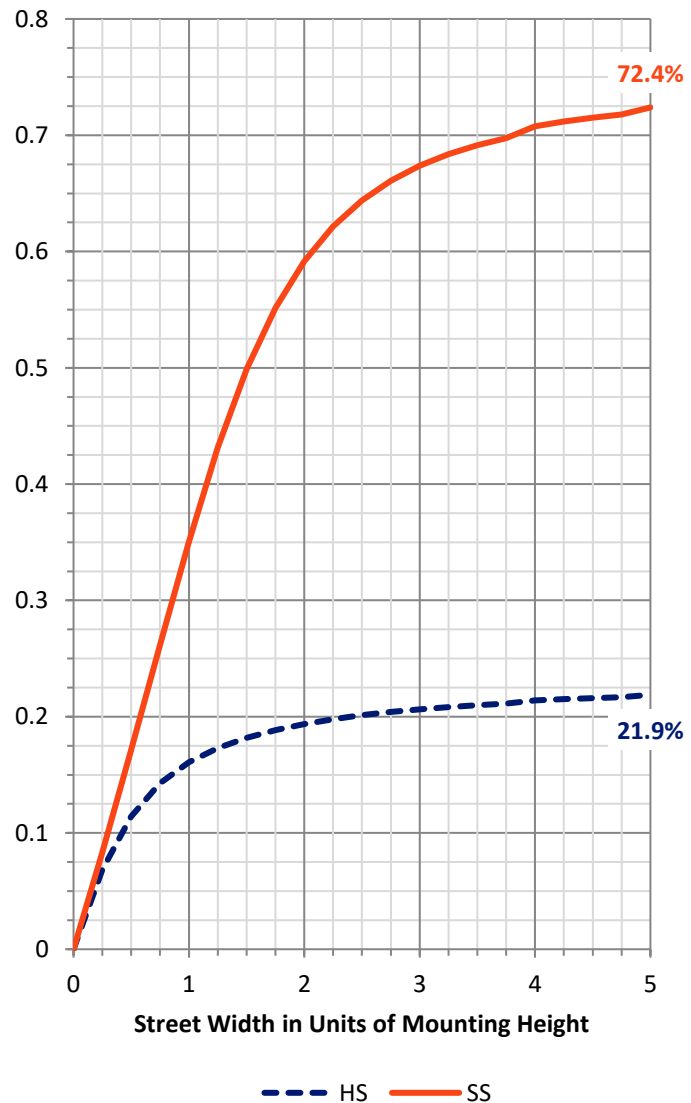
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2140.9	141.0	2281.8
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	6945.1	157.0	7102.2
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	9086.0	298.0	9384.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	0.2
10°-20°	108.9	1.2
20°-30°	325.2	3.5
30°-40°	720.2	7.7
40°-50°	1289.7	13.7
50°-60°	1931.6	20.6
60°-70°	2276.9	24.3
70°-80°	1738.3	18.5
80°-90°	673.9	7.2
90°-100°	171.7	1.8
100°-110°	65.0	0.7
110°-120°	30.5	0.3
120°-130°	16.3	0.2
130°-140°	9.0	0.1
140°-150°	4.1	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9086.0	96.8
0°-180°	9384.0	100.0



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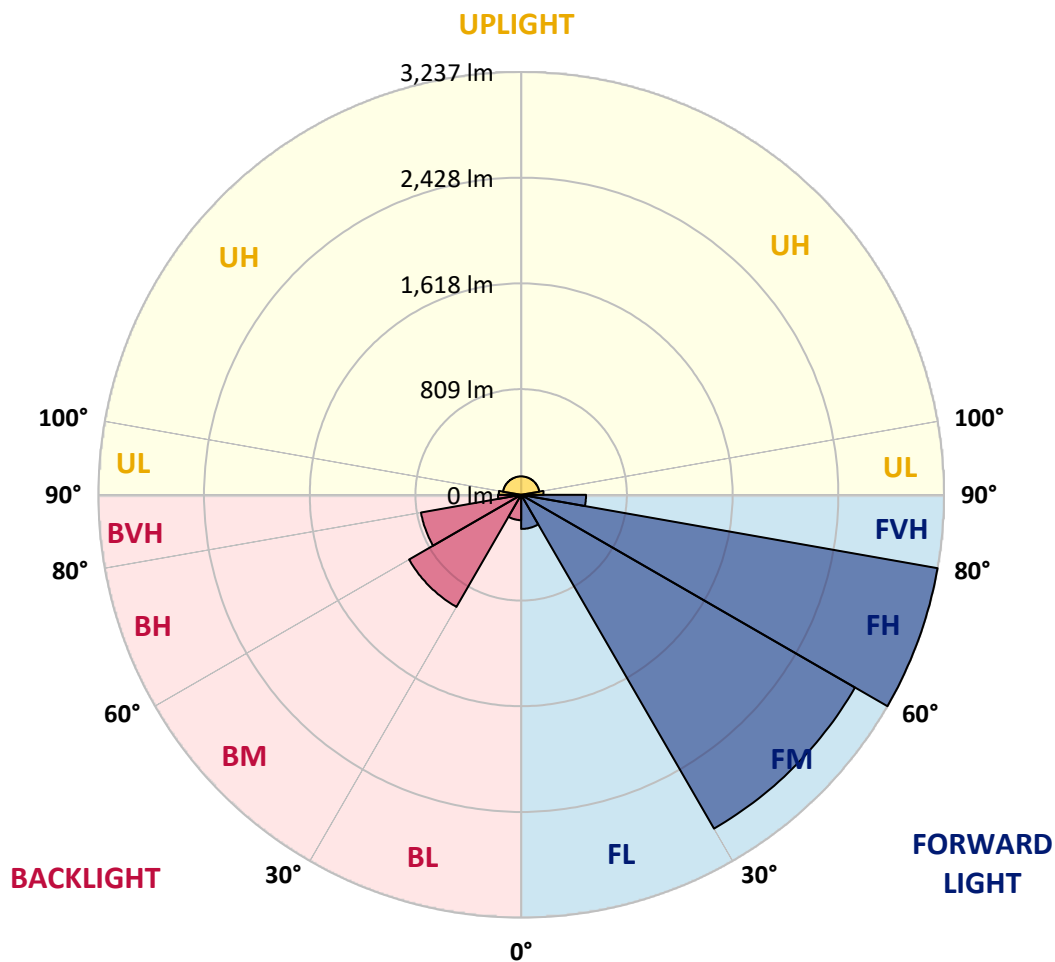
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.6	2.8			
FM	(30°-60°)	2950.6	31.4			
FH	(60°-80°)	3236.7	34.5			G2/5000
FVH	(80°-90°)	496.3	5.3			G3/500
BL	(0°-30°)	193.8	2.1	B1/500		
BM	(30°-60°)	991.0	10.6	B1/1000		
BH	(60°-80°)	778.5	8.3	B2/1000		G2/1000
BVH	(80°-90°)	177.5	1.9			G2/225
UL	(90°-100°)	171.7	1.8		U3/500	
UH	(100°-180°)	141.0	1.5		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4
2.5°	195.1	194.1	195.1	195.1	196.2	194.1	191.9	190.8	189.7	189.7	188.7
5°	215.6	213.5	214.5	215.6	214.5	212.4	209.1	208.1	205.9	205.9	203.8
7.5°	244.7	244.7	243.6	241.5	243.6	240.4	238.3	237.2	233.9	232.9	231.8
10°	288.9	286.8	285.7	283.5	281.4	280.3	276.0	276.0	270.6	272.8	269.5
12.5°	346.1	341.8	342.8	338.5	332.1	327.7	325.6	324.5	324.5	324.5	323.4
15°	415.1	411.8	410.8	401.0	394.6	389.2	384.9	386.0	391.3	392.4	388.1
17.5°	493.8	499.2	489.5	480.8	471.1	460.3	460.3	460.3	464.7	467.9	465.7
20°	603.7	592.9	582.2	568.2	552.0	543.4	539.0	552.0	559.5	564.9	562.8
22.5°	724.5	713.7	701.8	679.2	656.6	640.4	640.4	656.6	673.8	680.3	682.4
25°	861.4	867.9	838.8	804.3	763.3	749.3	751.4	775.1	801.0	806.4	819.3
27.5°	1030.7	1030.7	1005.9	950.9	897.0	868.9	871.1	909.9	948.7	956.3	966.0
30°	1236.6	1229.0	1195.6	1122.3	1051.1	998.3	1008.0	1055.4	1116.9	1123.4	1135.2
32.5°	1466.2	1465.1	1400.4	1309.9	1207.5	1144.9	1149.2	1218.2	1294.8	1313.1	1326.0
35°	1720.6	1727.1	1643.0	1511.5	1392.9	1308.8	1322.8	1401.5	1491.0	1495.3	1511.5
37.5°	2011.7	2008.5	1908.2	1764.8	1588.0	1498.5	1487.8	1594.5	1688.3	1716.3	1707.7
40°	2334.1	2299.6	2202.5	2024.6	1806.9	1687.2	1689.4	1799.3	1926.5	1935.2	1933.0
42.5°	2652.1	2637.0	2519.5	2279.1	2046.2	1905.0	1910.4	2016.0	2147.5	2181.0	2157.3
45°	2994.9	2957.2	2830.0	2582.0	2298.5	2145.4	2131.4	2250.0	2394.4	2420.3	2397.7
47.5°	3272.0	3248.3	3136.2	2872.0	2569.1	2372.9	2351.3	2496.8	2661.8	2664.0	2630.5
50°	3501.6	3489.8	3401.4	3167.4	2831.1	2627.3	2604.7	2749.1	2921.6	2949.6	2901.1
52.5°	3700.0	3680.6	3636.4	3405.7	3069.3	2845.1	2841.8	3000.3	3215.9	3228.9	3182.5
55°	3763.6	3775.5	3769.0	3606.2	3303.3	3060.7	3087.6	3301.1	3494.1	3539.4	3452.0
57.5°	3753.9	3753.9	3815.4	3741.0	3459.6	3255.8	3314.0	3571.7	3822.9	3836.9	3732.3
60°	3607.3	3610.5	3758.2	3778.7	3571.7	3422.9	3559.8	3846.6	4104.3	4112.9	4014.8
62.5°	3396.0	3388.4	3605.1	3708.6	3585.7	3522.1	3735.6	4087.0	4369.5	4398.6	4250.9
65°	3066.1	3080.1	3314.0	3520.0	3512.4	3559.8	3872.5	4303.7	4585.1	4627.1	4413.7
67.5°	2640.2	2681.2	2927.0	3222.4	3336.7	3494.1	3923.2	4436.3	4725.3	4761.9	4468.7
70°	2187.4	2177.7	2444.0	2814.9	3038.0	3325.9	3867.1	4441.7	4728.5	4716.6	4351.2
72.5°	1659.2	1700.1	1939.5	2316.8	2647.8	3006.8	3684.9	4303.7	4547.4	4545.2	4040.7
75°	1179.4	1204.2	1415.5	1792.9	2187.4	2633.8	3321.6	4002.9	4181.9	4117.2	3591.1
77.5°	778.4	801.0	983.2	1327.1	1692.6	2164.8	2833.2	3477.9	3620.2	3553.4	3017.6
80°	484.1	494.8	632.8	905.6	1230.1	1677.5	2294.2	2844.0	2900.1	2832.1	2323.3
82.5°	287.8	296.5	395.7	581.1	876.5	1221.5	1729.3	2179.9	2198.2	2151.9	1675.3
85°	176.8	188.7	252.3	388.1	584.3	861.4	1205.3	1514.7	1527.6	1473.7	1107.2
87.5°	115.4	121.8	171.4	252.3	393.5	576.8	807.5	1008.0	978.9	945.5	699.7
90°	78.7	83.0	117.5	173.6	266.3	381.6	511.0	630.7	584.3	558.4	424.8
92.5°	55.0	59.3	86.2	125.1	184.4	255.5	332.1	377.3	357.9	346.1	267.4
95°	43.1	45.3	65.8	97.0	136.9	181.1	219.9	233.9	222.1	213.5	180.0
97.5°	34.5	36.7	55.0	78.7	106.7	134.8	153.1	157.4	145.5	141.2	125.1
100°	29.1	31.3	46.4	65.8	87.3	106.7	114.3	113.2	103.5	101.3	90.6
102.5°	25.9	27.0	41.0	57.1	74.4	86.2	90.6	85.2	75.5	74.4	67.9
105°	22.6	24.8	35.6	49.6	63.6	73.3	73.3	66.8	56.1	55.0	51.7
107.5°	21.6	21.6	31.3	43.1	55.0	61.5	61.5	53.9	44.2	42.0	39.9
110°	19.4	20.5	28.0	37.7	47.4	52.8	51.7	43.1	33.4	32.3	31.3



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	18.3	18.3	24.8	33.4	41.0	45.3	43.1	35.6	27.0	25.9	24.8
115°	17.2	17.2	22.6	30.2	36.7	39.9	36.7	29.1	21.6	20.5	21.6
117.5°	16.2	17.2	20.5	27.0	32.3	34.5	31.3	24.8	18.3	17.2	18.3
120°	16.2	16.2	19.4	23.7	28.0	30.2	27.0	20.5	15.1	15.1	16.2
122.5°	16.2	16.2	18.3	21.6	24.8	25.9	22.6	17.2	14.0	14.0	15.1
125°	15.1	15.1	17.2	19.4	22.6	22.6	20.5	15.1	11.9	11.9	14.0
127.5°	15.1	15.1	16.2	18.3	20.5	20.5	17.2	12.9	10.8	11.9	12.9
130°	14.0	14.0	15.1	16.2	18.3	17.2	15.1	11.9	9.7	10.8	11.9
132.5°	14.0	14.0	14.0	15.1	16.2	15.1	12.9	9.7	9.7	9.7	10.8
135°	12.9	12.9	14.0	14.0	14.0	12.9	10.8	8.6	8.6	8.6	9.7
137.5°	12.9	12.9	12.9	12.9	12.9	11.9	9.7	7.5	7.5	7.5	8.6
140°	11.9	11.9	11.9	10.8	10.8	9.7	7.5	6.5	6.5	6.5	7.5
142.5°	10.8	10.8	10.8	9.7	9.7	7.5	6.5	5.4	5.4	6.5	6.5
145°	9.7	9.7	9.7	8.6	7.5	6.5	4.3	4.3	5.4	5.4	6.5
147.5°	7.5	7.5	7.5	7.5	5.4	5.4	3.2	4.3	4.3	5.4	5.4
150°	6.5	6.5	6.5	6.5	4.3	3.2	2.2	3.2	4.3	4.3	4.3
152.5°	5.4	5.4	5.4	5.4	3.2	2.2	2.2	3.2	3.2	3.2	4.3
155°	3.2	3.2	4.3	3.2	2.2	1.1	2.2	2.2	3.2	3.2	3.2
157.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	3.2
160°	1.1	1.1	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2
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°	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4	184.4
2.5°	187.6	188.7	187.6	186.5	186.5	185.4	185.4	185.4	185.4	184.4	184.4
5°	204.8	203.8	202.7	200.5	198.4	196.2	196.2	195.1	194.1	193.0	193.0
7.5°	228.6	228.6	226.4	223.2	219.9	217.8	215.6	214.5	211.3	211.3	210.2
10°	265.2	265.2	258.7	255.5	250.1	244.7	242.6	239.3	237.2	236.1	235.0
12.5°	318.0	314.8	308.3	297.6	286.8	278.1	272.8	270.6	271.7	271.7	272.8
15°	386.0	379.5	369.8	349.3	329.9	317.0	313.7	313.7	314.8	314.8	315.9
17.5°	466.8	457.1	435.5	409.7	381.6	364.4	356.8	356.8	359.0	362.2	365.5
20°	564.9	556.3	522.9	477.6	435.5	412.9	400.0	398.9	403.2	412.9	410.8
22.5°	676.0	666.3	616.7	550.9	492.7	456.0	442.0	446.3	457.1	463.6	463.6
25°	809.6	793.5	719.1	623.1	548.7	497.0	478.7	485.1	501.3	508.9	512.1
27.5°	953.0	931.5	832.3	701.8	592.9	530.4	511.0	519.6	539.0	550.9	554.1
30°	1123.4	1085.6	950.9	775.1	632.8	554.1	533.7	549.8	571.4	585.4	588.6
32.5°	1302.3	1244.1	1053.3	837.7	661.9	570.3	549.8	569.2	592.9	609.1	610.2
35°	1481.3	1414.5	1166.5	888.3	677.0	577.9	556.3	578.9	604.8	617.7	621.0
37.5°	1675.3	1582.6	1264.6	920.7	683.5	576.8	556.3	578.9	603.7	614.5	616.7
40°	1861.9	1747.6	1351.9	940.1	681.4	568.2	548.7	572.5	594.0	601.6	600.5
42.5°	2071.0	1907.1	1422.0	941.2	666.3	555.2	539.0	559.5	574.6	573.5	574.6
45°	2270.5	2076.4	1473.7	933.6	645.8	539.0	526.1	544.4	549.8	544.4	543.4
47.5°	2489.3	2244.6	1514.7	914.2	621.0	524.0	512.1	526.1	527.2	515.3	513.2
50°	2721.1	2412.8	1552.4	878.6	591.9	506.7	499.2	511.0	508.9	489.5	486.2
52.5°	2947.5	2583.1	1576.2	835.5	562.8	491.6	488.4	500.2	493.8	471.1	466.8
55°	3189.0	2740.5	1580.5	792.4	534.7	478.7	478.7	491.6	484.1	460.3	457.1
57.5°	3425.1	2905.4	1564.3	736.3	507.8	464.7	471.1	486.2	480.8	457.1	455.0
60°	3646.1	3029.4	1520.1	683.5	483.0	455.0	465.7	483.0	478.7	459.3	457.1
62.5°	3817.5	3111.4	1450.0	631.8	461.4	445.2	460.3	477.6	478.7	462.5	463.6
65°	3897.3	3111.4	1348.7	580.0	442.0	435.5	455.0	474.4	476.5	466.8	466.8
67.5°	3880.0	3031.6	1234.4	526.1	423.7	423.7	447.4	467.9	472.2	467.9	467.9
70°	3697.8	2816.0	1078.1	483.0	405.4	409.7	435.5	457.1	463.6	464.7	463.6
72.5°	3401.4	2491.5	916.4	437.7	386.0	395.7	420.5	442.0	450.6	452.8	451.7
75°	2943.2	2115.2	757.9	400.0	365.5	377.3	403.2	421.5	431.2	435.5	433.4
77.5°	2365.3	1678.6	621.0	362.2	341.8	354.7	379.5	394.6	406.4	411.8	407.5
80°	1802.6	1249.5	493.8	324.5	312.6	326.7	348.2	364.4	375.2	377.3	374.1
82.5°	1279.7	886.2	395.7	288.9	281.4	293.2	312.6	323.4	336.4	335.3	328.8
85°	838.8	601.6	310.5	251.2	248.0	255.5	270.6	277.1	290.0	290.0	282.5
87.5°	545.5	398.9	244.7	211.3	214.5	221.0	228.6	233.9	239.3	240.4	233.9
90°	348.2	272.8	195.1	180.0	183.3	188.7	188.7	187.6	196.2	198.4	193.0
92.5°	228.6	194.1	161.7	153.1	155.2	156.3	156.3	152.0	159.6	160.6	156.3
95°	160.6	145.5	133.7	131.5	131.5	131.5	129.4	124.0	130.4	130.4	128.3
97.5°	120.7	113.2	112.1	112.1	112.1	111.0	107.8	105.7	107.8	107.8	106.7
100°	90.6	89.5	92.7	94.9	95.9	94.9	92.7	89.5	89.5	85.2	86.2
102.5°	69.0	71.2	77.6	80.9	80.9	80.9	79.8	75.5	73.3	69.0	67.9
105°	53.9	56.1	63.6	67.9	69.0	70.1	67.9	63.6	59.3	55.0	53.9
107.5°	42.0	45.3	51.7	57.1	59.3	59.3	58.2	53.9	48.5	43.1	43.1
110°	34.5	36.7	43.1	48.5	50.7	50.7	49.6	44.2	38.8	34.5	34.5



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.0	30.2	36.7	41.0	43.1	44.2	42.0	37.7	32.3	28.0	28.0
115°	23.7	25.9	31.3	34.5	36.7	36.7	35.6	31.3	27.0	23.7	23.7
117.5°	20.5	22.6	27.0	30.2	31.3	32.3	30.2	27.0	22.6	20.5	20.5
120°	18.3	19.4	23.7	25.9	27.0	27.0	25.9	22.6	19.4	18.3	18.3
122.5°	16.2	18.3	20.5	22.6	23.7	23.7	22.6	19.4	17.2	16.2	17.2
125°	15.1	16.2	18.3	20.5	20.5	20.5	19.4	17.2	15.1	15.1	15.1
127.5°	14.0	15.1	16.2	17.2	18.3	18.3	17.2	15.1	14.0	14.0	14.0
130°	12.9	14.0	15.1	15.1	16.2	16.2	15.1	12.9	12.9	12.9	12.9
132.5°	11.9	12.9	12.9	14.0	14.0	14.0	12.9	11.9	11.9	11.9	11.9
135°	10.8	10.8	11.9	11.9	11.9	11.9	10.8	10.8	10.8	10.8	10.8
137.5°	9.7	9.7	10.8	9.7	10.8	9.7	9.7	8.6	9.7	9.7	9.7
140°	8.6	8.6	8.6	8.6	8.6	8.6	7.5	7.5	8.6	8.6	8.6
142.5°	7.5	7.5	7.5	6.5	6.5	6.5	6.5	6.5	7.5	7.5	7.5
145°	6.5	6.5	6.5	5.4	5.4	4.3	5.4	5.4	6.5	6.5	6.5
147.5°	5.4	5.4	5.4	5.4	4.3	3.2	3.2	4.3	5.4	5.4	5.4
150°	4.3	5.4	5.4	4.3	3.2	2.2	2.2	3.2	4.3	4.3	4.3
152.5°	4.3	4.3	4.3	3.2	2.2	1.1	1.1	2.2	3.2	3.2	3.2
155°	3.2	3.2	3.2	3.2	2.2	1.1	0.0	2.2	2.2	2.2	2.2
157.5°	3.2	3.2	3.2	2.2	1.1	0.0	0.0	1.1	2.2	1.1	1.1
160°	2.2	2.2	2.2	2.2	1.1	1.1	0.0	1.1	1.1	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)