

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: P417217

Luminaire Tested: **LXF.LXT-PA1-90-750-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417217  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
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-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9170 lumens  
Efficiency: N/A  
Efficacy: 97.6 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 - G4

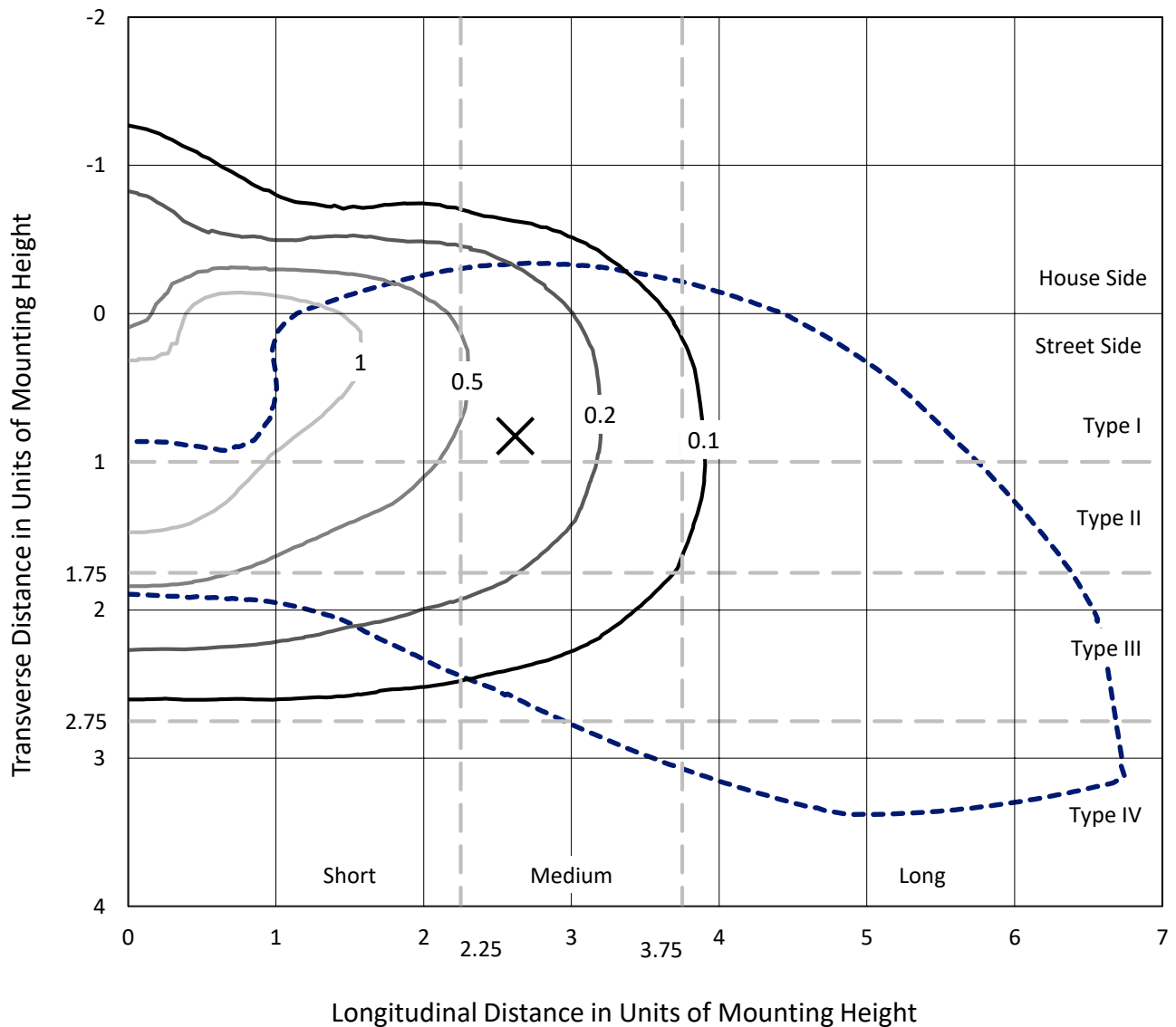
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

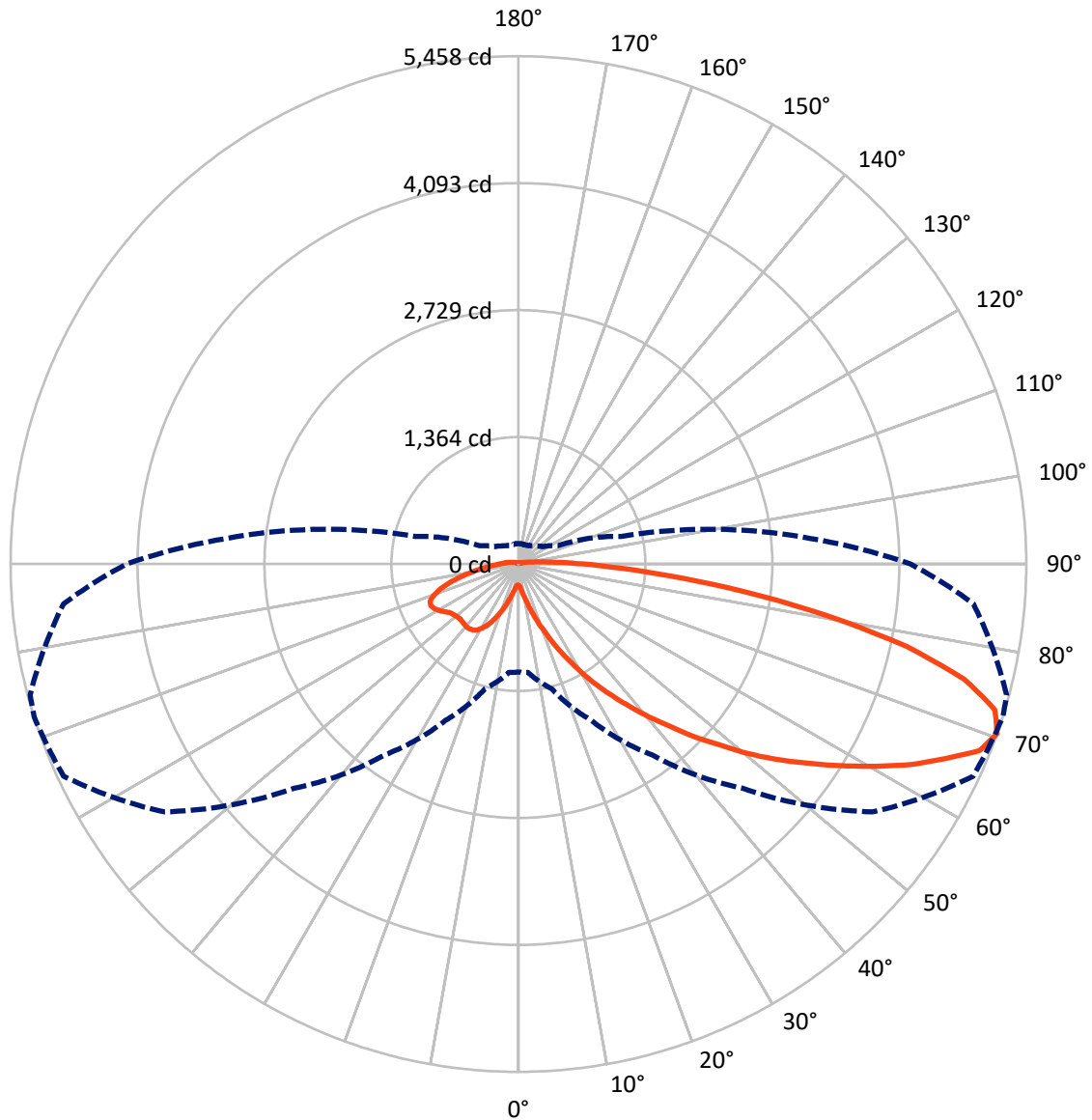
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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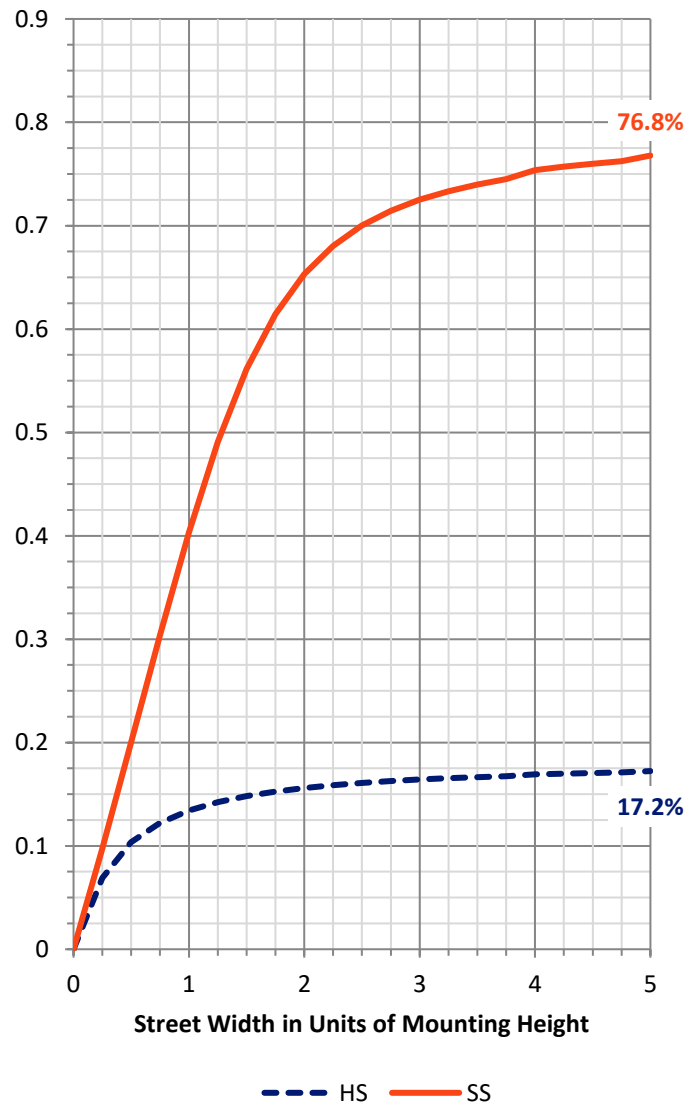
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1648.5	149.5	1798.0
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	7199.3	172.7	7372.0
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	8847.8	322.2	9170.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	0.3
10°-20°	124.1	1.4
20°-30°	346.4	3.8
30°-40°	718.2	7.8
40°-50°	1240.5	13.5
50°-60°	1832.0	20.0
60°-70°	2162.3	23.6
70°-80°	1716.1	18.7
80°-90°	682.3	7.4
90°-100°	180.3	2.0
100°-110°	69.6	0.8
110°-120°	33.9	0.4
120°-130°	19.2	0.2
130°-140°	11.3	0.1
140°-150°	5.3	0.1
150°-160°	1.8	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	8847.8	96.5
0°-180°	9170.0	100.0

**Coefficient of Utilization**



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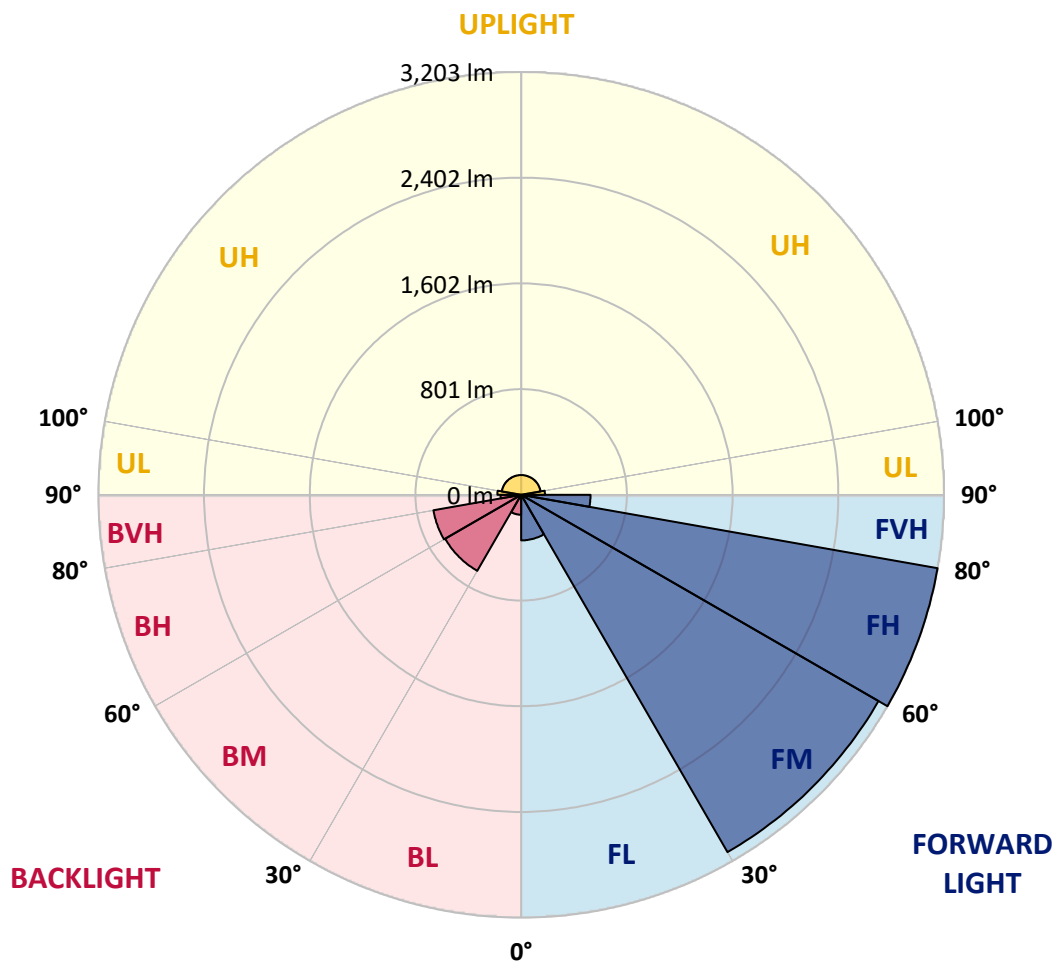
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.1	3.8			
FM	(30°-60°)	3125.6	34.1			
FH	(60°-80°)	3203.2	34.9			G2/5000
FVH	(80°-90°)	525.4	5.7			G4/750
BL	(0°-30°)	151.2	1.6	B1/500		
BM	(30°-60°)	665.2	7.3	B1/1000		
BH	(60°-80°)	675.2	7.4	B2/1000		G2/1000
BVH	(80°-90°)	156.9	1.7			G2/225
UL	(90°-100°)	180.3	2.0		U3/500	
UH	(100°-180°)	149.5	1.6		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7
2.5°	257.7	258.8	257.7	257.7	255.5	254.5	248.0	243.7	240.4	238.3	235.1
5°	298.7	300.8	299.7	299.7	294.4	291.1	283.6	274.9	268.5	267.4	257.7
7.5°	353.7	352.6	348.3	347.2	345.0	339.6	328.9	315.9	309.4	307.3	293.3
10°	421.6	416.2	418.3	410.8	406.5	397.9	388.2	378.5	365.5	365.5	346.1
12.5°	489.5	501.4	498.1	487.4	478.7	464.7	452.8	449.6	434.5	436.7	418.3
15°	600.6	599.5	589.8	582.2	565.0	547.7	537.0	529.4	525.1	521.9	501.4
17.5°	718.1	711.6	704.1	681.4	656.6	641.5	631.8	624.3	629.7	628.6	603.8
20°	853.9	846.4	835.6	794.6	762.3	738.6	733.2	741.8	745.0	753.7	728.9
22.5°	1004.9	1001.7	975.8	929.4	874.4	843.2	837.8	858.3	883.1	887.4	870.1
25°	1186.0	1181.7	1146.1	1079.3	1007.1	959.6	959.6	992.0	1032.9	1042.6	1034.0
27.5°	1380.1	1369.3	1323.0	1241.0	1141.8	1080.4	1072.8	1131.0	1188.2	1216.2	1205.4
30°	1603.3	1601.1	1524.6	1424.3	1305.7	1207.6	1204.4	1289.5	1370.4	1383.3	1385.5
32.5°	1833.0	1851.3	1762.9	1613.0	1469.6	1354.2	1348.8	1444.8	1556.9	1579.6	1579.6
35°	2098.2	2099.3	1990.4	1841.6	1645.4	1513.8	1498.7	1613.0	1738.1	1769.3	1786.6
37.5°	2365.6	2359.1	2261.0	2056.2	1836.2	1677.7	1663.7	1798.5	1940.8	1991.5	1988.2
40°	2628.7	2647.0	2523.0	2296.6	2031.4	1870.7	1836.2	1994.7	2158.6	2215.7	2193.1
42.5°	2912.3	2907.9	2796.9	2544.6	2249.2	2057.2	2036.7	2200.6	2382.9	2447.5	2427.1
45°	3160.2	3158.1	3037.3	2785.0	2457.3	2272.9	2244.8	2418.4	2647.0	2707.4	2665.3
47.5°	3388.8	3383.4	3258.4	3001.7	2639.5	2478.8	2481.0	2658.9	2901.5	3000.7	2936.0
50°	3565.7	3547.3	3468.6	3191.5	2836.8	2695.5	2736.5	2945.7	3204.5	3293.9	3223.9
52.5°	3660.5	3632.5	3571.0	3324.1	3023.3	2910.1	2988.8	3236.8	3492.3	3577.5	3501.0
55°	3615.3	3615.3	3580.7	3405.0	3155.9	3106.3	3264.8	3515.0	3781.3	3875.1	3807.2
57.5°	3433.0	3461.1	3477.2	3383.4	3247.6	3300.4	3551.6	3832.0	4087.5	4191.0	4101.5
60°	3113.9	3121.4	3240.0	3267.0	3284.2	3465.4	3849.2	4183.5	4413.1	4495.1	4393.7
62.5°	2662.1	2697.7	2842.2	3041.6	3230.3	3602.3	4161.9	4537.1	4744.1	4799.1	4651.4
65°	2159.7	2151.0	2418.4	2717.1	3081.5	3642.2	4414.2	4880.0	5040.7	5114.0	4857.4
67.5°	1637.8	1632.4	1879.3	2317.1	2829.2	3600.2	4619.1	5171.1	5347.9	5350.1	4986.7
70°	1161.2	1169.9	1388.7	1853.5	2503.6	3408.2	4643.9	5393.2	5457.9	5432.0	4908.0
72.5°	788.2	794.6	1002.7	1420.0	2072.3	3097.7	4436.9	5369.5	5354.4	5282.2	4584.6
75°	507.8	551.0	705.2	1079.3	1677.7	2650.3	4034.7	5029.9	4951.2	4831.5	4022.8
77.5°	350.4	372.0	490.6	786.0	1311.1	2188.8	3464.3	4347.4	4265.4	4118.8	3243.3
80°	237.2	246.9	337.5	587.6	1031.9	1720.8	2822.8	3499.9	3358.6	3207.7	2432.5
82.5°	158.5	176.8	242.6	421.6	780.6	1328.4	2146.7	2672.9	2448.6	2318.2	1709.0
85°	105.7	115.4	172.5	306.2	565.0	967.2	1545.1	1815.7	1618.4	1503.0	1092.2
87.5°	71.2	79.8	122.9	218.9	418.3	703.0	1035.1	1173.1	1014.6	942.4	660.9
90°	47.4	52.8	90.6	157.4	295.4	490.6	698.7	724.6	622.1	577.9	404.3
92.5°	33.4	38.8	67.9	116.4	207.0	340.7	448.5	438.8	366.6	345.0	260.9
95°	25.9	30.2	52.8	89.5	150.9	234.0	292.2	267.4	231.8	224.3	180.1
97.5°	22.6	24.8	44.2	72.2	114.3	166.0	189.8	181.1	156.3	152.0	131.5
100°	20.5	22.6	38.8	62.5	91.6	121.8	135.9	126.2	113.2	110.0	97.0
102.5°	19.4	20.5	34.5	53.9	75.5	96.0	104.6	93.8	84.1	83.0	74.4
105°	18.3	19.4	30.2	46.4	63.6	78.7	81.9	73.3	65.8	62.5	56.1
107.5°	17.3	17.3	27.0	41.0	55.0	65.8	67.9	59.3	50.7	48.5	44.2
110°	16.2	17.3	24.8	36.7	48.5	57.1	57.1	48.5	39.9	37.7	35.6



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	16.2	16.2	22.6	32.3	43.1	49.6	48.5	39.9	32.3	29.1	29.1
115°	15.1	16.2	21.6	30.2	38.8	43.1	41.0	33.4	25.9	23.7	24.8
117.5°	15.1	16.2	19.4	27.0	34.5	37.7	35.6	28.0	21.6	20.5	22.6
120°	15.1	16.2	19.4	24.8	30.2	33.4	31.3	23.7	19.4	18.3	20.5
122.5°	16.2	16.2	18.3	22.6	28.0	30.2	27.0	20.5	17.3	16.2	18.3
125°	16.2	16.2	18.3	21.6	25.9	27.0	23.7	18.3	15.1	15.1	17.3
127.5°	16.2	16.2	18.3	20.5	23.7	23.7	21.6	16.2	14.0	14.0	16.2
130°	16.2	16.2	17.3	19.4	21.6	21.6	18.3	14.0	12.9	12.9	15.1
132.5°	17.3	17.3	17.3	18.3	19.4	19.4	16.2	12.9	11.9	11.9	15.1
135°	16.2	16.2	16.2	17.3	17.3	17.3	14.0	11.9	10.8	11.9	14.0
137.5°	15.1	15.1	16.2	16.2	16.2	15.1	11.9	9.7	9.7	10.8	12.9
140°	15.1	14.0	15.1	15.1	14.0	12.9	10.8	8.6	8.6	9.7	10.8
142.5°	12.9	12.9	12.9	12.9	11.9	10.8	8.6	7.5	8.6	8.6	9.7
145°	11.9	11.9	11.9	10.8	10.8	8.6	6.5	6.5	6.5	7.5	8.6
147.5°	9.7	9.7	9.7	9.7	8.6	7.5	4.3	5.4	5.4	5.4	6.5
150°	7.5	7.5	8.6	7.5	6.5	5.4	3.2	4.3	5.4	5.4	5.4
152.5°	6.5	6.5	6.5	6.5	5.4	3.2	3.2	4.3	4.3	4.3	5.4
155°	4.3	4.3	4.3	4.3	3.2	2.2	3.2	3.2	4.3	4.3	4.3
157.5°	2.2	2.2	3.2	3.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
160°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
162.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
165°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
167.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
170°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
172.5°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
175°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
177.5°	0.0	1.1	2.2	2.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7
2.5°	232.9	230.7	226.4	222.1	218.9	215.6	213.5	210.3	208.1	208.1	208.1
5°	251.2	249.1	238.3	227.5	217.8	209.2	202.7	195.2	191.9	188.7	189.8
7.5°	287.9	280.3	263.1	244.8	228.6	211.3	198.4	187.6	181.1	176.8	176.8
10°	337.5	325.6	299.7	271.7	244.8	220.0	200.5	185.5	174.7	170.4	170.4
12.5°	401.1	389.2	349.3	307.3	266.3	230.7	205.9	186.5	174.7	169.3	169.3
15°	486.3	465.8	411.9	351.5	292.2	243.7	211.3	195.2	187.6	184.4	184.4
17.5°	587.6	557.4	487.4	396.8	318.1	256.6	225.3	210.3	203.8	202.7	202.7
20°	706.2	668.5	562.8	442.1	338.6	272.8	237.2	224.3	222.1	223.2	223.2
22.5°	841.0	786.0	640.5	483.0	358.0	282.5	245.8	235.1	237.2	242.6	241.5
25°	983.3	925.1	725.6	519.7	370.9	286.8	251.2	244.8	253.4	259.8	259.8
27.5°	1149.4	1058.8	803.3	545.6	374.1	283.6	252.3	249.1	260.9	270.6	272.8
30°	1318.7	1202.2	870.1	561.7	367.7	276.0	248.0	250.1	264.2	277.1	278.2
32.5°	1490.1	1338.1	925.1	565.0	356.9	266.3	243.7	248.0	263.1	277.1	279.3
35°	1660.4	1465.3	961.8	553.1	339.6	256.6	236.1	243.7	258.8	274.9	277.1
37.5°	1827.6	1586.1	984.4	533.7	322.4	248.0	230.7	238.3	253.4	271.7	273.9
40°	2009.8	1715.4	997.3	511.1	305.1	240.4	227.5	235.1	250.1	267.4	270.6
42.5°	2176.9	1834.0	998.4	483.0	292.2	237.2	225.3	231.8	245.8	264.2	267.4
45°	2394.7	1955.9	998.4	459.3	283.6	236.1	225.3	230.7	243.7	263.1	267.4
47.5°	2600.7	2096.0	1000.6	438.8	279.3	238.3	227.5	229.7	240.4	263.1	267.4
50°	2840.0	2230.8	1017.8	423.7	278.2	242.6	230.7	228.6	237.2	260.9	266.3
52.5°	3078.3	2408.7	1039.4	413.0	280.3	246.9	232.9	228.6	234.0	255.5	262.0
55°	3339.2	2578.0	1063.1	414.0	284.6	251.2	236.1	227.5	229.7	246.9	253.4
57.5°	3600.2	2776.4	1114.9	420.5	290.0	256.6	239.4	227.5	224.3	237.2	242.6
60°	3828.7	2951.1	1168.8	434.5	297.6	262.0	241.5	226.4	220.0	227.5	231.8
62.5°	4070.3	3141.9	1211.9	446.4	306.2	266.3	241.5	225.3	216.7	222.1	224.3
65°	4227.7	3255.1	1234.6	461.5	314.8	269.6	242.6	223.2	215.6	218.9	221.0
67.5°	4308.5	3273.5	1219.5	466.9	322.4	271.7	241.5	221.0	216.7	218.9	221.0
70°	4212.6	3151.6	1147.2	463.6	324.5	271.7	239.4	218.9	216.7	220.0	221.0
72.5°	3865.4	2858.3	1040.5	447.5	321.3	267.4	236.1	215.6	215.6	221.0	221.0
75°	3328.4	2436.8	900.3	422.7	312.7	260.9	229.7	210.3	212.4	220.0	220.0
77.5°	2665.3	1927.8	741.8	387.1	296.5	250.1	221.0	202.7	208.1	216.7	215.6
80°	1983.9	1436.2	597.3	347.2	274.9	235.1	209.2	194.1	201.6	209.2	207.0
82.5°	1321.9	1008.1	472.3	305.1	252.3	220.0	196.2	182.2	191.9	199.5	196.2
85°	858.3	671.7	365.5	263.1	228.6	202.7	180.1	169.3	179.0	185.5	182.2
87.5°	534.8	450.7	278.2	224.3	203.8	183.3	166.0	154.2	163.9	170.4	166.0
90°	353.7	301.9	218.9	194.1	181.1	165.0	148.8	140.2	149.9	152.0	148.8
92.5°	232.9	213.5	177.9	166.0	159.6	146.6	134.8	127.2	134.8	135.9	133.7
95°	167.1	161.7	146.6	144.5	141.2	130.5	120.8	114.3	118.6	119.7	115.4
97.5°	127.2	126.2	125.1	125.1	122.9	115.4	106.7	101.4	103.5	102.4	99.2
100°	99.2	101.4	104.6	106.7	105.7	100.3	93.8	89.5	90.6	86.3	83.0
102.5°	77.6	81.9	87.3	90.6	90.6	86.3	83.0	78.7	75.5	70.1	69.0
105°	61.5	64.7	72.2	77.6	77.6	75.5	72.2	66.8	63.6	57.1	57.1
107.5°	48.5	52.8	61.5	65.8	66.8	64.7	62.5	58.2	52.8	46.4	46.4
110°	38.8	42.1	51.8	56.1	57.1	56.1	53.9	48.5	43.1	38.8	38.8



REPORT NUMBER: P417217

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.3	35.6	43.1	47.4	49.6	48.5	46.4	41.0	35.6	32.3	32.3
115°	28.0	31.3	36.7	41.0	42.1	42.1	38.8	35.6	29.1	28.0	28.0
117.5°	24.8	27.0	32.3	35.6	37.7	36.7	33.4	30.2	25.9	24.8	24.8
120°	22.6	24.8	29.1	32.3	32.3	31.3	29.1	25.9	22.6	21.6	22.6
122.5°	20.5	22.6	25.9	28.0	28.0	28.0	25.9	22.6	19.4	19.4	20.5
125°	19.4	20.5	23.7	24.8	25.9	24.8	22.6	19.4	17.3	18.3	18.3
127.5°	18.3	19.4	21.6	22.6	22.6	21.6	19.4	17.3	15.1	16.2	17.3
130°	17.3	18.3	19.4	20.5	20.5	19.4	17.3	15.1	14.0	15.1	15.1
132.5°	15.1	16.2	17.3	18.3	17.3	17.3	15.1	12.9	12.9	14.0	14.0
135°	14.0	15.1	15.1	16.2	15.1	15.1	12.9	11.9	11.9	12.9	12.9
137.5°	12.9	14.0	14.0	14.0	12.9	12.9	11.9	10.8	10.8	10.8	11.9
140°	11.9	11.9	11.9	11.9	10.8	10.8	9.7	8.6	9.7	9.7	9.7
142.5°	10.8	10.8	10.8	9.7	9.7	8.6	7.5	7.5	8.6	8.6	8.6
145°	8.6	8.6	8.6	7.5	7.5	6.5	6.5	6.5	7.5	7.5	7.5
147.5°	7.5	7.5	7.5	6.5	5.4	5.4	5.4	5.4	6.5	6.5	6.5
150°	6.5	6.5	6.5	5.4	4.3	4.3	3.2	4.3	5.4	5.4	5.4
152.5°	5.4	5.4	5.4	5.4	4.3	2.2	3.2	4.3	4.3	4.3	4.3
155°	4.3	4.3	5.4	4.3	3.2	1.1	2.2	3.2	3.2	3.2	3.2
157.5°	4.3	4.3	4.3	3.2	2.2	1.1	2.2	2.2	3.2	2.2	3.2
160°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2
162.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	1.1	1.1	1.1
165°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
170°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
175°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
177.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)