

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: P417212

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417212  
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-PA1-90-750-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1180mA 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: 9445 lumens  
Efficiency: N/A  
Efficacy: 100.5 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): 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

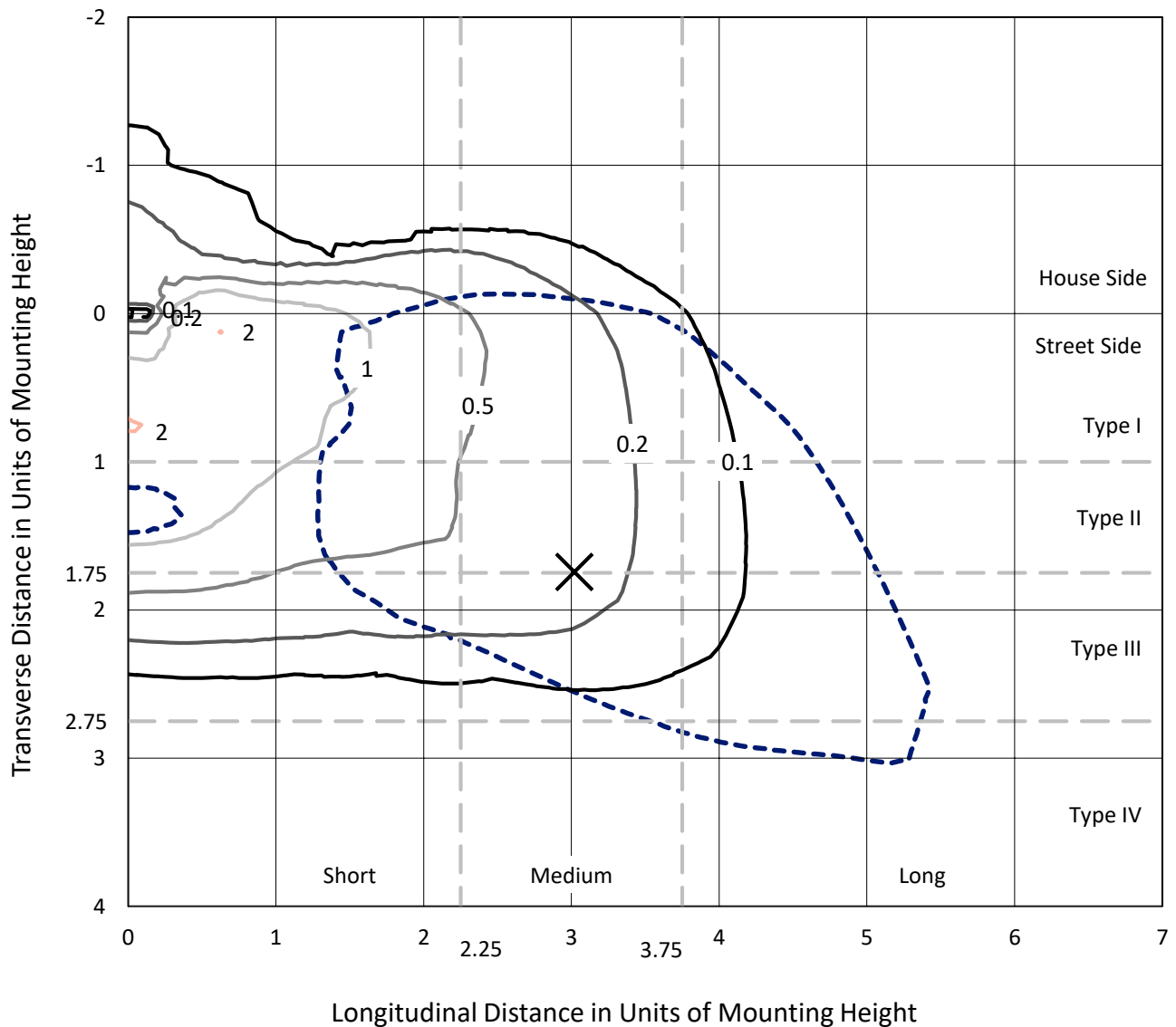


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### Iso-Footcandle Lines of Horizontal Illumination

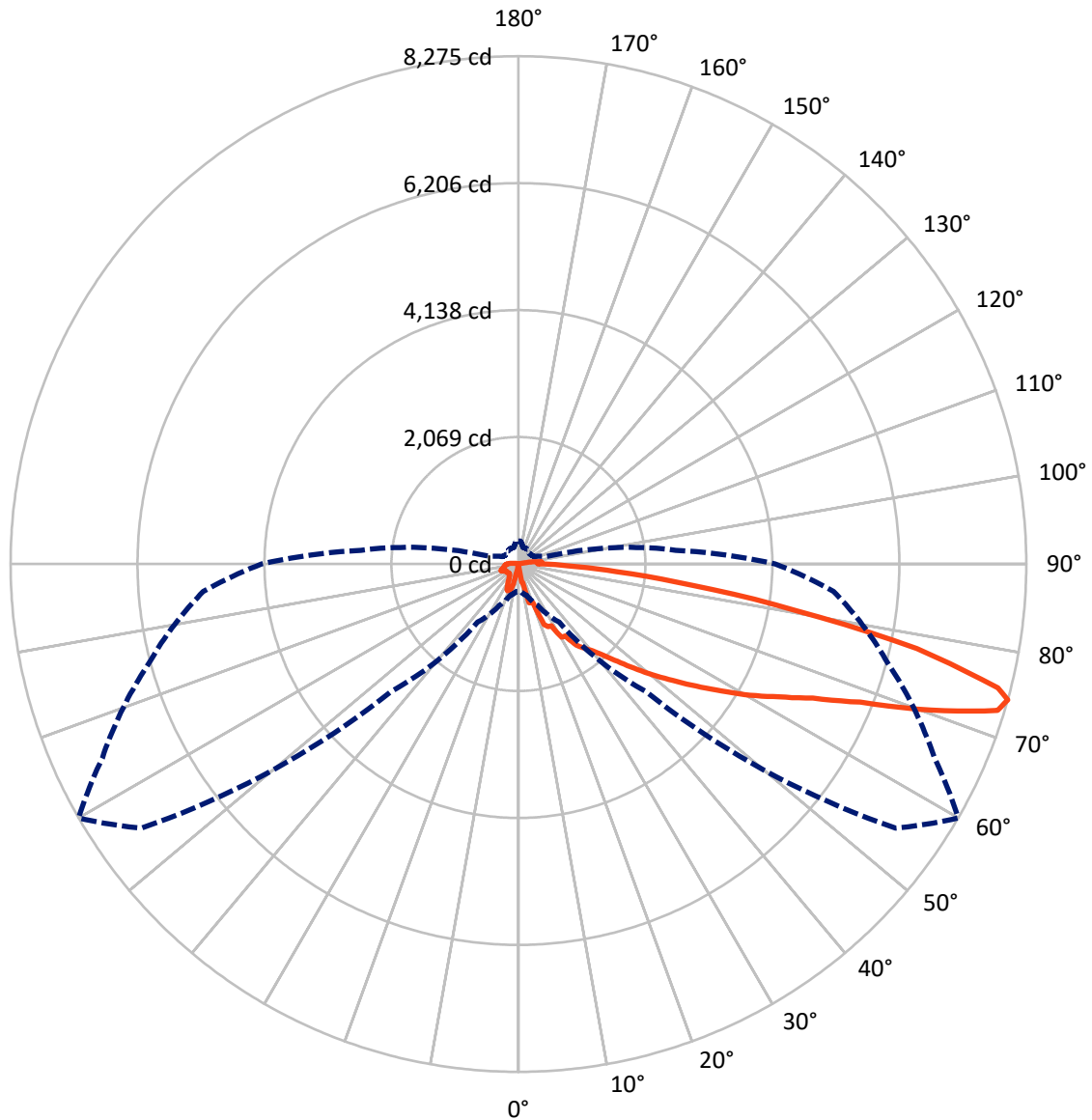
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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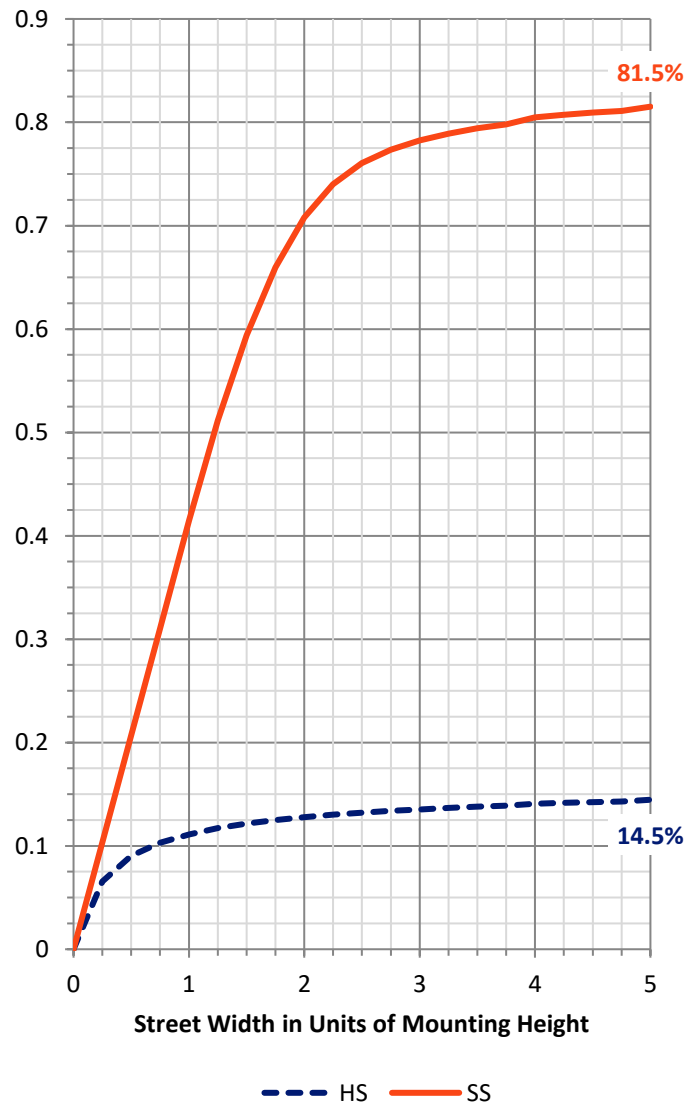
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1449.5	91.8	1541.3
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	7805.3	98.4	7903.7
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	9254.8	190.2	9445.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	120.6	1.3
20°-30°	365.2	3.9
30°-40°	731.1	7.7
40°-50°	1254.2	13.3
50°-60°	1911.9	20.2
60°-70°	2355.7	24.9
70°-80°	1969.3	20.9
80°-90°	536.3	5.7
90°-100°	138.5	1.5
100°-110°	24.8	0.3
110°-120°	9.2	0.1
120°-130°	7.0	0.1
130°-140°	4.9	0.1
140°-150°	3.9	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9254.8	98.0
0°-180°	9445.0	100.0



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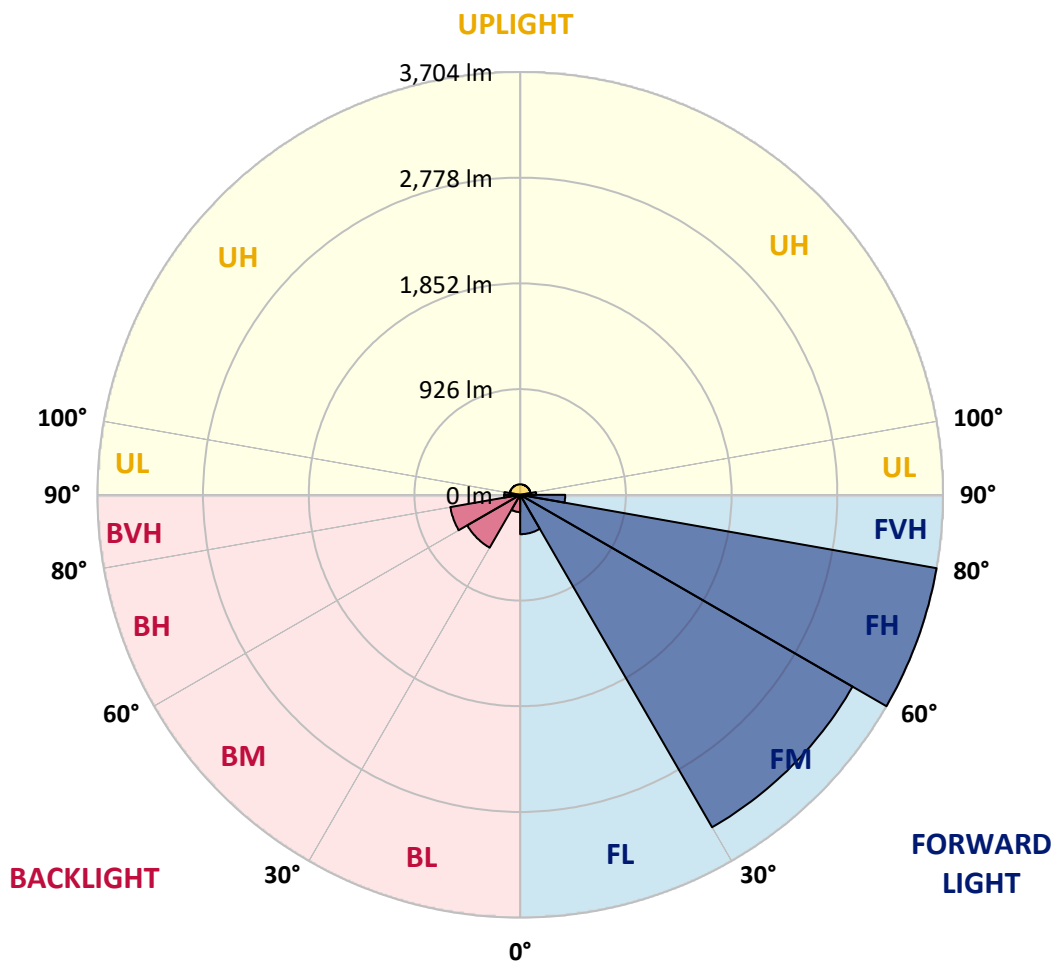
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.9	3.7			
FM (30°-60°)	3362.3	35.6			
FH (60°-80°)	3703.8	39.2			G2/5000
FVH (80°-90°)	394.2	4.2			G3/500
BL (0°-30°)	151.4	1.6	B1/500		
BM (30°-60°)	534.8	5.7	B1/1000		
BH (60°-80°)	621.2	6.6	B2/1000		G2/1000
BVH (80°-90°)	142.1	1.5			G2/225
UL (90°-100°)	138.5	1.5		U3/500	
UH (100°-180°)	91.8	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°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
2.5°	11.9	10.8	9.7	10.8	11.9	10.8	8.6	7.5	6.5	6.5	6.5
5°	314.8	310.5	308.4	240.4	57.1	35.6	14.0	9.7	8.6	6.5	6.5
7.5°	319.1	314.8	315.9	314.8	309.4	309.4	100.3	36.7	20.5	7.5	7.5
10°	336.4	329.9	321.3	320.2	318.1	314.8	309.4	303.0	69.0	11.9	10.8
12.5°	621.0	617.8	613.5	473.3	342.9	319.1	315.9	308.4	237.2	45.3	209.2
15°	616.7	615.6	608.1	611.3	610.3	347.2	393.5	656.6	630.7	457.1	527.2
17.5°	646.9	643.7	621.0	607.0	608.1	693.3	643.7	648.0	650.1	577.9	565.0
20°	877.6	872.2	870.1	845.3	617.8	814.0	830.2	672.8	689.0	897.0	1002.7
22.5°	888.4	880.9	872.2	865.8	974.7	810.8	877.6	1071.7	1023.2	1187.1	1119.2
25°	1200.0	1179.5	1094.4	886.3	973.6	933.7	1135.3	1129.9	1069.6	1238.8	1196.8
27.5°	1299.2	1285.2	1222.7	1175.2	993.0	1118.1	1128.9	1140.7	1345.6	1708.9	1592.5
30°	1740.2	1631.3	1349.9	1320.8	1184.9	1127.8	1290.6	1383.3	1513.8	1716.5	1684.1
32.5°	1992.5	1939.6	1803.8	1595.7	1387.6	1233.4	1399.5	1399.5	1521.3	2074.4	2129.4
35°	2401.1	2230.8	1965.5	1824.3	1582.8	1476.0	1442.6	1624.8	1798.4	2179.0	2175.8
37.5°	2548.8	2532.6	2433.5	2000.0	1860.9	1605.4	1682.0	1738.0	1884.7	2330.0	2323.5
40°	2629.7	2665.3	2672.8	2379.5	2066.9	1854.5	1827.5	1858.8	2000.0	2542.4	2460.4
42.5°	2903.5	2916.5	2956.4	2622.1	2375.2	2126.2	2050.7	2037.8	2135.9	2789.3	2641.5
45°	3345.6	3352.1	3323.0	2901.4	2626.5	2395.7	2311.6	2262.0	2348.3	3034.0	2871.2
47.5°	3852.3	3867.4	3727.3	3217.3	2855.0	2655.6	2610.3	2533.7	2588.7	3255.0	3156.9
50°	4255.6	4251.3	4001.1	3472.8	3085.8	2921.9	2907.9	2836.7	2843.2	3523.5	3465.3
52.5°	4360.2	4353.7	4140.2	3661.5	3296.0	3199.0	3262.6	3152.6	3095.5	3801.7	3785.5
55°	4202.8	4214.6	4114.3	3740.2	3429.7	3442.6	3607.6	3512.7	3435.1	4064.7	4090.6
57.5°	3975.3	3961.2	3976.3	3770.4	3534.3	3680.9	4018.4	3899.8	3825.4	4362.3	4391.4
60°	3553.7	3534.3	3729.4	3738.1	3631.3	3950.5	4455.0	4339.7	4235.1	4676.1	4644.8
62.5°	2912.2	2887.4	3239.9	3539.7	3742.4	4266.4	4886.3	4761.3	4659.9	5009.2	4949.9
65°	1938.6	2056.1	2469.0	3106.2	3701.4	4721.4	5456.7	5269.1	5084.7	5351.0	5340.2
67.5°	1124.5	1208.6	1511.6	2209.2	3363.9	5110.6	6361.3	6005.5	5687.4	5738.1	5713.3
70°	697.6	723.5	855.0	1274.4	2370.9	4982.3	7364.0	7134.3	6460.5	6169.4	5771.5
72.5°	541.2	558.5	634.0	832.4	1441.5	3853.4	7840.5	8162.9	7241.1	6282.6	5484.7
74°	443.1	453.9	532.6	745.0	1156.9	2938.0	7502.0	8275.0	7480.4	6227.6	5154.8
75°	350.4	361.2	449.6	714.8	1099.7	2344.0	7000.6	8067.0	7488.0	6142.4	4756.9
77.5°	214.6	222.1	242.6	493.8	999.5	1339.1	5165.6	6640.5	6636.2	5100.9	3411.4
80°	170.4	172.5	181.1	259.8	814.0	1214.0	3271.2	4583.4	4549.9	3062.0	1747.7
82.5°	117.5	126.1	143.4	168.2	433.4	1189.2	2062.6	2847.5	2456.1	1165.5	731.0
85°	78.7	85.2	108.9	125.1	231.8	1265.8	1480.3	1602.2	1208.6	576.8	481.9
87.5°	32.3	33.4	49.6	60.4	93.8	607.0	996.2	793.5	556.3	365.5	392.5
90°	17.3	17.3	12.9	14.0	34.5	130.5	325.6	315.9	262.0	300.8	368.7
92.5°	19.4	19.4	12.9	14.0	33.4	102.4	352.6	360.1	300.8	320.2	394.6
95°	21.6	21.6	12.9	12.9	32.3	70.1	338.5	380.6	309.4	336.4	397.8
97.5°	23.7	24.8	11.9	11.9	25.9	52.8	212.4	259.8	201.6	174.7	190.8
100°	24.8	24.8	10.8	10.8	17.3	37.7	98.1	125.1	97.0	45.3	31.3
102.5°	24.8	25.9	10.8	9.7	11.9	23.7	31.3	45.3	35.6	27.0	29.1
105°	23.7	25.9	10.8	9.7	9.7	12.9	16.2	18.3	19.4	19.4	30.2
107.5°	18.3	20.5	8.6	9.7	8.6	8.6	6.5	7.5	9.7	17.3	30.2



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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	12.9	12.9	6.5	8.6	7.5	8.6	5.4	6.5	8.6	12.9	24.8
112.5°	6.5	5.4	4.3	6.5	6.5	7.5	5.4	5.4	7.5	10.8	17.3
115°	4.3	5.4	3.2	4.3	5.4	5.4	4.3	5.4	6.5	10.8	18.3
117.5°	4.3	4.3	3.2	4.3	5.4	4.3	4.3	5.4	6.5	10.8	18.3
120°	5.4	4.3	3.2	4.3	4.3	3.2	4.3	5.4	5.4	10.8	18.3
122.5°	5.4	5.4	4.3	4.3	4.3	3.2	4.3	4.3	5.4	10.8	17.3
125°	6.5	5.4	4.3	4.3	4.3	3.2	4.3	4.3	5.4	9.7	16.2
127.5°	6.5	6.5	4.3	4.3	5.4	3.2	4.3	4.3	5.4	8.6	15.1
130°	6.5	6.5	5.4	4.3	5.4	4.3	4.3	4.3	5.4	7.5	12.9
132.5°	6.5	6.5	5.4	5.4	5.4	4.3	4.3	4.3	4.3	6.5	10.8
135°	7.5	6.5	5.4	5.4	6.5	4.3	4.3	4.3	4.3	5.4	7.5
137.5°	7.5	7.5	6.5	6.5	7.5	5.4	4.3	5.4	5.4	5.4	6.5
140°	8.6	8.6	8.6	7.5	7.5	5.4	5.4	5.4	5.4	6.5	6.5
142.5°	10.8	9.7	9.7	8.6	7.5	5.4	5.4	5.4	6.5	6.5	6.5
145°	11.9	11.9	10.8	9.7	7.5	5.4	5.4	6.5	6.5	7.5	7.5
147.5°	11.9	11.9	10.8	8.6	6.5	4.3	5.4	6.5	6.5	7.5	8.6
150°	11.9	10.8	9.7	7.5	5.4	3.2	4.3	5.4	6.5	7.5	8.6
152.5°	8.6	8.6	7.5	5.4	4.3	2.2	3.2	4.3	5.4	6.5	7.5
155°	5.4	5.4	4.3	3.2	3.2	2.2	3.2	4.3	4.3	5.4	6.5
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	4.3	4.3
160°	1.1	1.1	2.2	1.1	2.2	2.2	2.2	3.2	3.2	3.2	3.2
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°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
2.5°	6.5	6.5	6.5	5.4	5.4	3.2	4.3	4.3	5.4	6.5	7.5
5°	6.5	7.5	6.5	5.4	5.4	4.3	5.4	5.4	5.4	7.5	7.5
7.5°	7.5	7.5	6.5	6.5	5.4	4.3	7.5	232.9	267.4	276.0	278.2
10°	9.7	9.7	8.6	7.5	6.5	251.2	277.1	277.1	274.9	277.1	277.1
12.5°	214.6	230.7	36.7	18.3	207.0	260.9	254.5	250.1	245.8	241.5	239.4
15°	521.8	505.7	463.6	348.3	321.3	239.4	219.9	305.1	325.6	331.0	329.9
17.5°	551.0	525.1	461.5	484.1	424.8	306.2	276.0	273.9	262.0	262.0	263.1
20°	1036.1	976.8	629.7	472.2	368.7	370.9	236.1	210.2	219.9	234.0	242.6
22.5°	1064.2	986.5	736.4	614.6	332.1	299.7	230.7	203.8	274.9	303.0	305.1
25°	1135.3	1011.3	746.1	517.5	375.2	245.8	229.7	212.4	252.3	278.2	276.0
27.5°	1537.5	1363.9	947.7	476.6	296.5	231.8	216.7	203.8	251.2	293.3	292.2
30°	1535.3	1344.5	875.5	438.8	244.7	215.6	197.3	222.1	234.0	250.1	251.2
32.5°	1993.6	1708.9	957.4	364.4	216.7	186.5	195.2	202.7	212.4	253.4	262.0
35°	2003.3	1671.2	831.3	334.2	199.5	177.9	183.3	200.5	221.0	246.9	249.1
37.5°	2042.1	1651.8	690.0	276.0	204.9	180.1	190.8	210.2	204.9	240.4	244.7
40°	2113.2	1657.2	580.1	246.9	201.6	180.1	199.5	202.7	203.8	222.1	224.3
42.5°	2223.2	1686.3	487.3	234.0	198.4	195.2	193.0	194.1	186.5	223.2	227.5
45°	2379.5	1746.7	416.2	229.7	198.4	227.5	201.6	194.1	177.9	256.6	274.9
47.5°	2610.3	1865.3	374.1	230.7	199.5	217.8	199.5	188.7	185.4	299.7	312.7
50°	2871.2	2001.1	346.1	235.0	199.5	214.6	196.2	194.1	205.9	304.0	307.3
52.5°	3151.5	2182.2	336.4	239.4	214.6	217.8	223.2	222.1	198.4	243.7	243.7
55°	3436.2	2369.8	339.6	244.7	226.4	223.2	238.3	210.2	170.4	181.1	179.0
57.5°	3704.6	2588.7	362.3	241.5	218.9	221.0	240.4	197.3	170.4	181.1	185.4
60°	3995.7	2825.9	424.8	232.9	215.6	214.6	237.2	208.1	170.4	208.1	209.2
62.5°	4350.5	3152.6	560.7	241.5	232.9	221.0	238.3	229.7	195.2	199.5	203.8
65°	4769.9	3490.1	690.0	274.9	245.8	222.1	235.0	241.5	221.0	213.5	212.4
67.5°	5077.2	3573.1	695.4	319.1	263.1	234.0	237.2	263.1	241.5	245.8	243.7
70°	4999.5	3346.7	602.7	337.5	273.9	243.7	243.7	272.8	254.5	292.2	293.3
72.5°	4620.0	2905.7	508.9	312.7	259.8	246.9	270.6	282.5	270.6	351.5	347.2
74°	4184.4	2573.6	467.9	284.6	254.5	245.8	278.2	282.5	279.2	375.2	372.0
75°	3850.2	2312.7	445.3	268.5	251.2	242.6	280.3	283.6	282.5	378.4	377.4
77.5°	2661.0	1562.3	389.2	239.4	245.8	242.6	279.2	290.0	297.6	376.3	373.1
80°	1365.0	855.0	324.5	226.4	243.7	249.1	276.0	280.3	292.2	355.8	352.6
82.5°	684.6	492.7	238.3	208.1	246.9	270.6	277.1	271.7	274.9	327.8	322.4
85°	441.0	340.7	158.5	174.7	251.2	293.3	276.0	253.4	257.7	285.7	283.6
87.5°	354.7	252.3	97.0	135.9	267.4	268.5	252.3	224.3	218.9	224.3	221.0
90°	327.8	234.0	81.9	128.3	258.8	224.3	205.9	183.3	163.9	165.0	158.5
92.5°	352.6	244.7	87.3	127.2	205.9	157.4	150.9	139.1	115.4	102.4	96.0
95°	347.2	235.0	88.4	107.8	150.9	89.5	106.7	98.1	71.2	53.9	50.7
97.5°	167.1	118.6	78.7	84.1	88.4	67.9	90.6	83.0	51.8	33.4	31.3
100°	31.3	44.2	70.1	79.8	70.1	52.8	71.2	63.6	28.0	17.3	16.2
102.5°	30.2	24.8	52.8	72.2	44.2	30.2	38.8	35.6	18.3	12.9	12.9
105°	31.3	24.8	24.8	49.6	27.0	14.0	11.9	17.3	12.9	12.9	14.0
107.5°	32.3	24.8	15.1	16.2	12.9	10.8	8.6	8.6	9.7	14.0	15.1



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.9	21.6	14.0	12.9	11.9	10.8	8.6	7.5	9.7	15.1	16.2
112.5°	18.3	17.3	12.9	10.8	9.7	9.7	7.5	6.5	9.7	16.2	17.3
115°	18.3	17.3	10.8	9.7	7.5	8.6	7.5	6.5	9.7	18.3	19.4
117.5°	19.4	16.2	10.8	8.6	6.5	6.5	6.5	6.5	10.8	18.3	19.4
120°	19.4	16.2	10.8	7.5	6.5	5.4	6.5	6.5	10.8	18.3	20.5
122.5°	18.3	16.2	9.7	7.5	6.5	5.4	5.4	5.4	9.7	18.3	19.4
125°	17.3	15.1	9.7	7.5	6.5	4.3	5.4	5.4	9.7	17.3	19.4
127.5°	16.2	14.0	9.7	7.5	5.4	4.3	5.4	5.4	9.7	16.2	18.3
130°	14.0	12.9	8.6	6.5	5.4	4.3	5.4	5.4	9.7	15.1	17.3
132.5°	11.9	10.8	7.5	6.5	5.4	4.3	5.4	4.3	7.5	14.0	15.1
135°	8.6	8.6	7.5	5.4	5.4	3.2	4.3	4.3	6.5	10.8	11.9
137.5°	7.5	7.5	6.5	5.4	5.4	3.2	4.3	3.2	5.4	8.6	9.7
140°	7.5	7.5	6.5	5.4	4.3	3.2	3.2	3.2	4.3	7.5	7.5
142.5°	7.5	7.5	6.5	5.4	4.3	3.2	3.2	3.2	4.3	6.5	7.5
145°	7.5	7.5	7.5	6.5	4.3	3.2	3.2	3.2	4.3	6.5	6.5
147.5°	8.6	8.6	7.5	5.4	4.3	2.2	2.2	3.2	4.3	6.5	6.5
150°	8.6	8.6	7.5	5.4	4.3	2.2	1.1	2.2	3.2	5.4	6.5
152.5°	7.5	7.5	6.5	5.4	3.2	2.2	1.1	2.2	3.2	5.4	5.4
155°	6.5	6.5	5.4	4.3	3.2	1.1	0.0	1.1	2.2	4.3	4.3
157.5°	4.3	5.4	4.3	3.2	2.2	1.1	0.0	1.1	1.1	3.2	3.2
160°	4.3	4.3	4.3	3.2	2.2	1.1	0.0	0.0	1.1	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

(END OF REPORT)