

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: P255181

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T4W-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-90-D-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8405.6 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G4

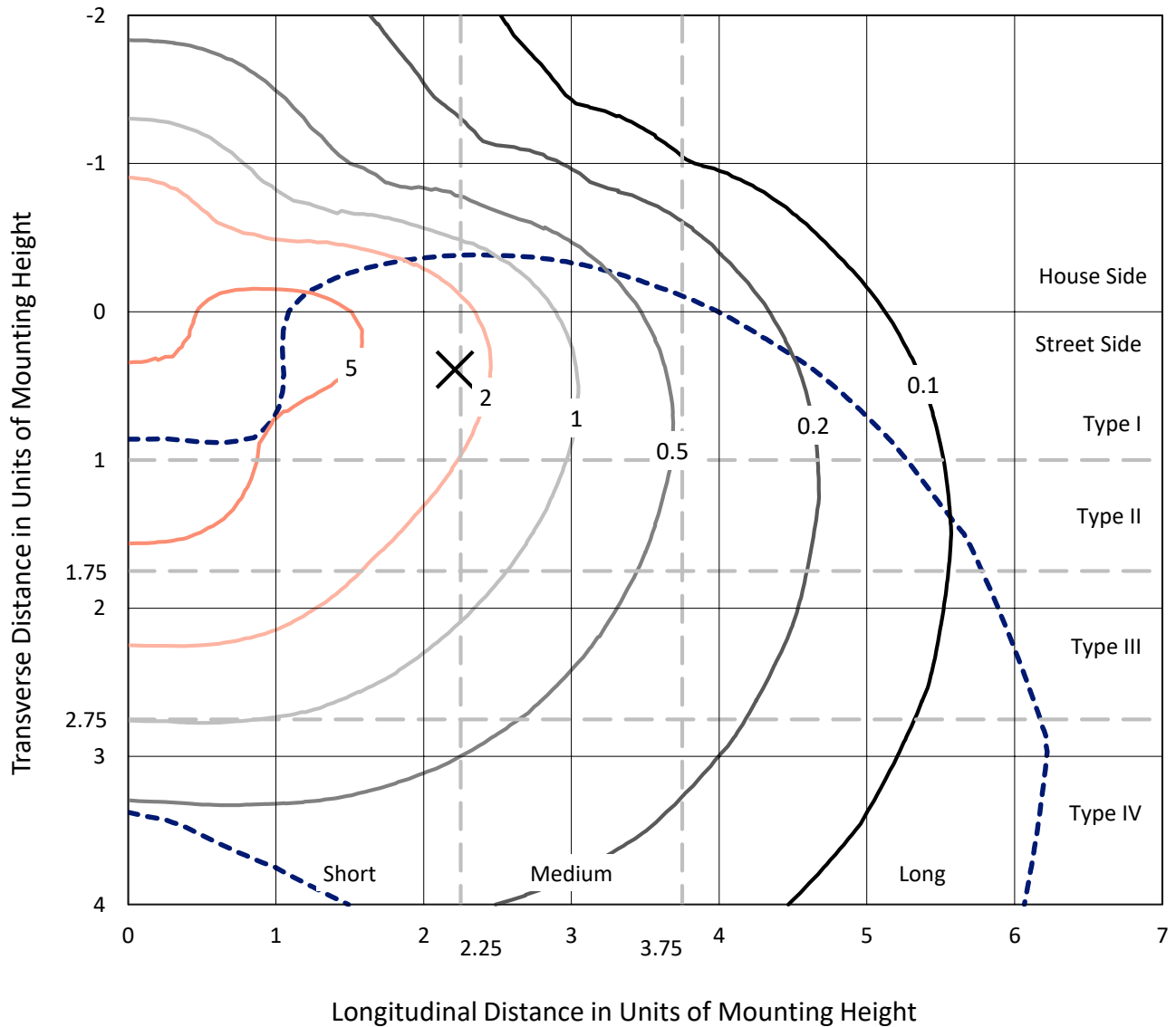
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

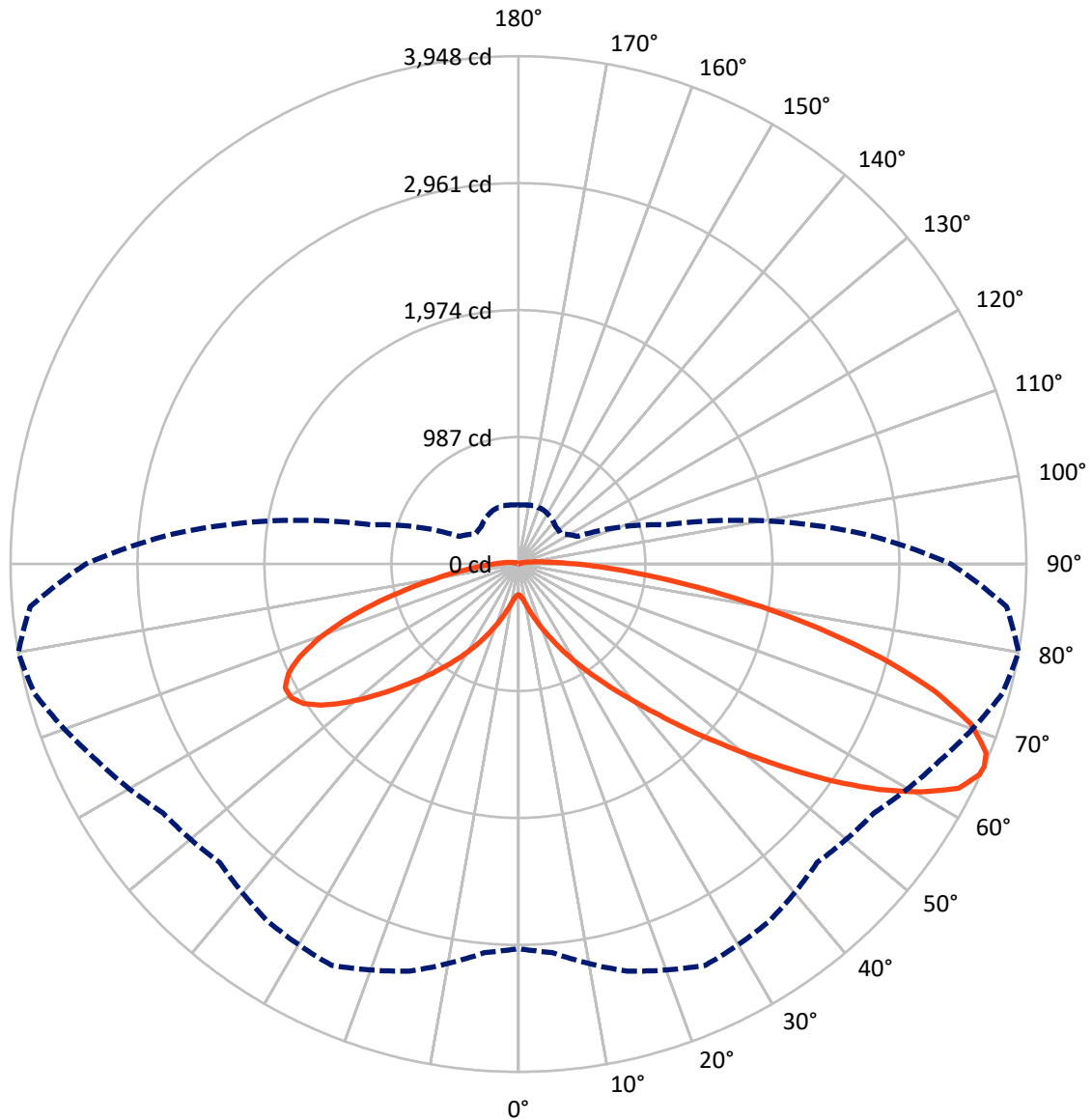
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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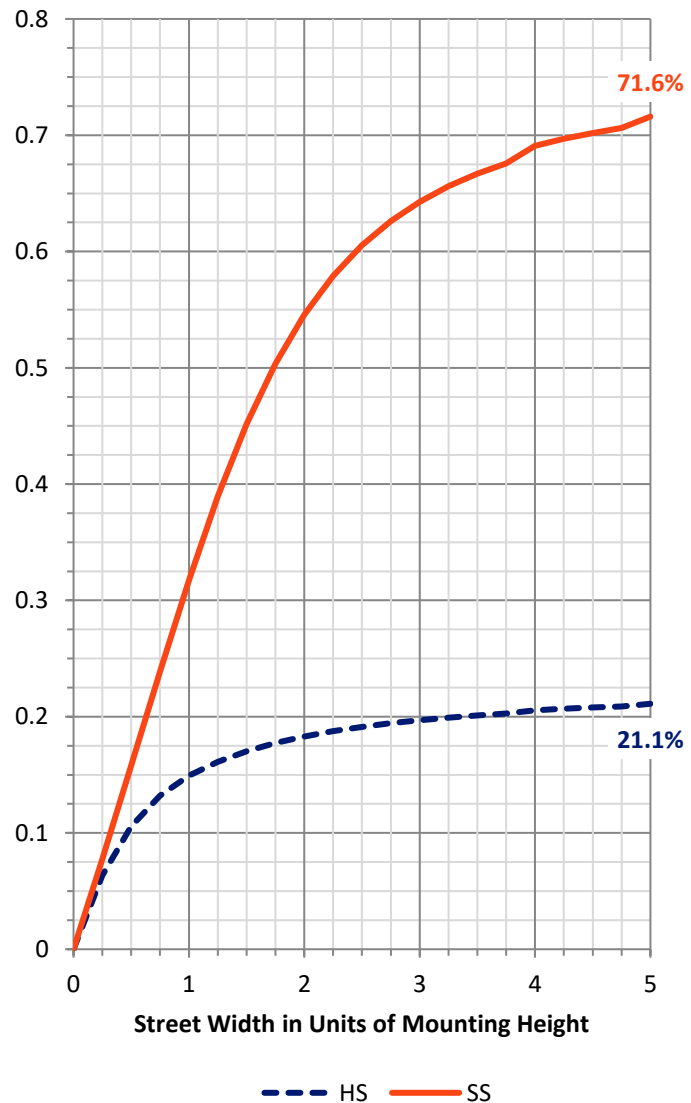
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1864.1	120.2	1984.3
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	6260.4	161.0	6421.4
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	8124.5	281.1	8405.6
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.9	0.3
10°-20°	114.1	1.4
20°-30°	291.3	3.5
30°-40°	576.5	6.9
40°-50°	999.3	11.9
50°-60°	1593.4	19.0
60°-70°	2071.5	24.6
70°-80°	1713.3	20.4
80°-90°	739.2	8.8
90°-100°	192.8	2.3
100°-110°	56.8	0.7
110°-120°	21.3	0.3
120°-130°	7.3	0.1
130°-140°	2.4	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8124.5	96.7
0°-180°	8405.6	100.0



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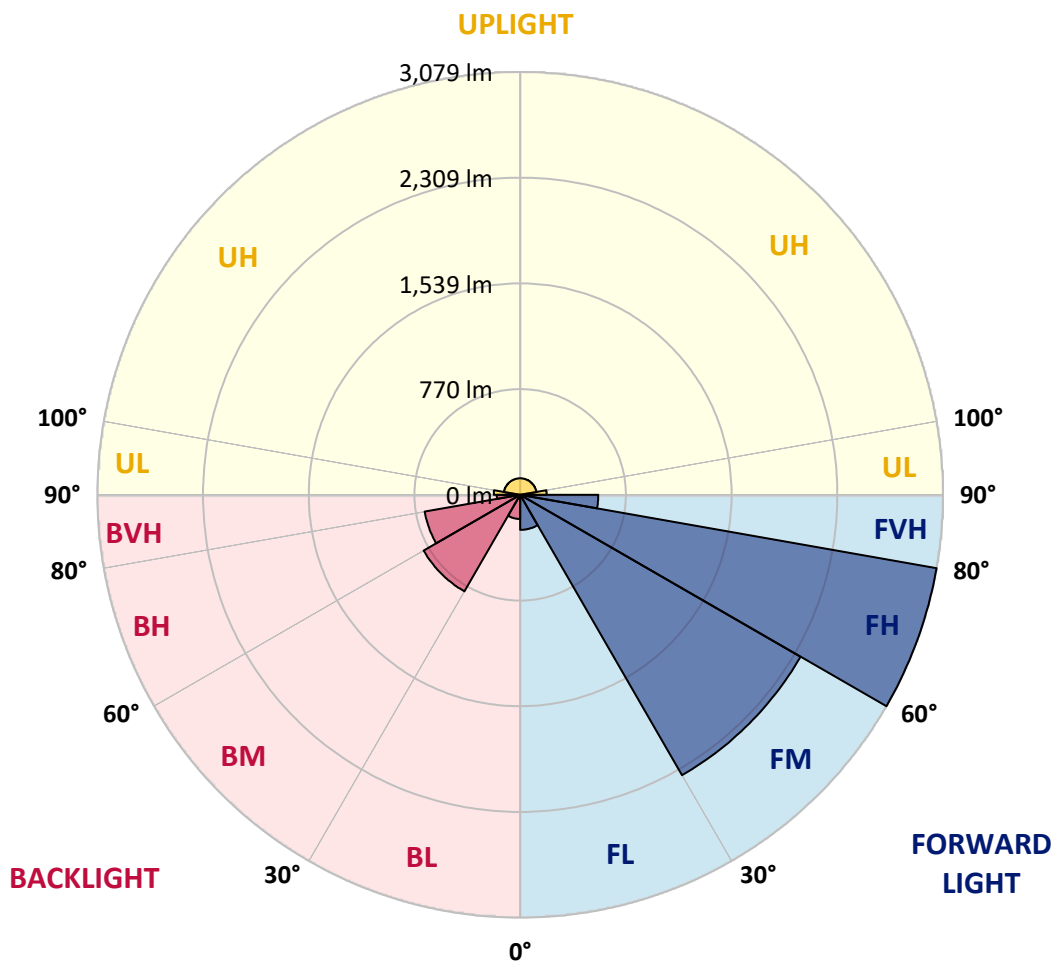
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T4W-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.4	3.0			
FM	(30°-60°)	2357.3	28.0			
FH	(60°-80°)	3078.9	36.6			G2/5000
FVH	(80°-90°)	568.9	6.8			G4/750
BL	(0°-30°)	175.9	2.1	B1/500		
BM	(30°-60°)	811.9	9.7	B1/1000		
BH	(60°-80°)	705.9	8.4	B2/1000		G2/1000
BVH	(80°-90°)	170.3	2.0			G2/225
UL	(90°-100°)	192.8	2.3		U3/500	
UH	(100°-180°)	120.2	1.4		U3/500	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4
2.5°	257.6	256.6	257.6	257.6	256.6	255.5	252.6	250.5	247.5	245.5	244.5
5°	278.9	277.8	277.8	277.8	276.8	274.8	270.8	266.7	262.7	259.6	258.6
7.5°	309.1	306.1	306.1	305.0	303.1	300.0	295.0	290.9	286.9	281.8	279.8
10°	350.6	348.5	345.5	343.5	338.4	335.4	329.3	324.3	321.2	317.2	313.1
12.5°	400.1	403.0	401.1	393.0	386.9	381.9	373.8	370.7	367.8	362.6	359.7
15°	464.7	466.7	461.7	453.6	443.4	437.4	429.3	422.3	420.2	414.2	410.1
17.5°	538.5	542.5	534.4	522.3	509.1	495.0	489.0	481.9	478.8	472.8	468.7
20°	626.4	630.3	619.3	601.1	581.9	561.7	554.6	546.6	545.5	539.4	536.4
22.5°	729.4	732.4	715.2	689.0	661.6	635.5	624.3	616.2	617.2	612.2	611.2
25°	848.5	849.6	825.3	790.9	749.6	714.2	699.1	695.0	699.1	696.0	694.0
27.5°	983.0	981.9	959.7	906.1	843.5	795.0	776.8	777.9	787.0	789.0	789.0
30°	1131.4	1135.5	1098.1	1028.4	946.5	879.8	860.7	864.7	891.0	891.0	891.0
32.5°	1304.2	1303.1	1260.8	1159.7	1057.7	975.9	950.6	954.6	986.9	1002.1	997.1
35°	1497.1	1495.1	1442.6	1313.3	1179.0	1077.9	1043.5	1062.7	1107.1	1124.3	1120.3
37.5°	1704.2	1704.2	1642.6	1484.0	1311.2	1189.0	1151.6	1172.8	1235.5	1263.8	1248.6
40°	1916.4	1917.4	1844.7	1676.9	1461.8	1310.2	1267.8	1305.2	1393.1	1420.4	1410.2
42.5°	2128.6	2122.4	2054.8	1867.9	1623.4	1446.7	1395.1	1457.7	1564.8	1603.2	1589.1
45°	2342.7	2338.7	2277.0	2068.9	1800.2	1594.1	1540.6	1621.4	1760.8	1822.4	1808.3
47.5°	2549.8	2549.8	2492.2	2271.0	1992.1	1761.8	1713.3	1813.3	1990.2	2057.8	2060.8
50°	2744.8	2747.7	2698.2	2492.2	2188.1	1946.7	1904.2	2034.5	2264.9	2338.7	2343.7
52.5°	2926.6	2934.6	2902.3	2722.5	2407.3	2152.8	2122.4	2269.9	2539.7	2647.8	2660.9
55°	3088.2	3091.3	3087.2	2936.7	2632.6	2368.9	2358.8	2535.6	2866.9	2983.1	2983.1
57.5°	3201.3	3219.5	3256.9	3134.6	2866.9	2605.4	2603.3	2811.4	3167.0	3305.4	3297.3
60°	3252.9	3273.0	3368.1	3311.5	3084.2	2842.7	2864.0	3099.3	3486.2	3597.3	3590.3
62.5°	3220.6	3246.8	3401.4	3429.6	3256.9	3063.9	3104.3	3357.9	3710.4	3840.8	3762.0
65°	3071.0	3109.5	3325.6	3455.9	3371.0	3232.6	3309.5	3561.0	3864.1	3940.8	3821.6
66°	2989.2	3031.6	3276.1	3440.8	3393.3	3282.1	3373.1	3614.5	3893.4	3947.9	3809.5
67.5°	2852.8	2887.2	3167.0	3386.2	3403.4	3348.8	3448.9	3667.1	3885.3	3921.6	3743.8
70°	2534.6	2577.0	2886.2	3216.5	3351.9	3391.3	3501.4	3661.0	3786.2	3735.7	3499.3
72.5°	2147.7	2214.4	2521.5	2924.5	3189.3	3326.6	3446.8	3528.7	3523.6	3386.2	3104.3
75°	1710.3	1751.7	2077.0	2513.4	2884.1	3139.7	3259.9	3245.8	3119.5	2913.5	2597.3
77.5°	1276.9	1318.3	1607.3	2037.6	2461.8	2785.2	2894.2	2832.7	2598.3	2370.0	2063.9
80°	899.1	935.5	1176.9	1578.9	1989.1	2322.5	2413.3	2325.5	2038.6	1812.4	1551.7
82.5°	613.2	629.3	831.4	1180.0	1550.7	1834.6	1922.4	1809.3	1535.6	1320.3	1117.3
85°	376.9	400.1	564.7	840.5	1140.5	1358.7	1427.4	1338.5	1103.2	931.4	769.8
87.5°	220.2	233.3	349.5	566.7	820.3	999.1	1034.4	951.7	756.7	630.3	511.2
90°	118.2	128.3	201.0	353.5	556.6	691.0	717.3	640.5	495.0	402.0	327.3
92.5°	69.7	75.8	120.2	213.2	356.6	454.6	472.8	411.1	311.2	257.6	214.2
95°	45.4	49.5	78.8	133.4	219.2	287.9	297.0	254.6	197.0	169.7	148.5
97.5°	33.3	35.4	56.6	90.9	138.4	176.8	183.8	157.6	130.3	117.2	106.1
100°	26.3	28.3	43.5	66.7	93.0	114.2	116.2	103.0	89.9	82.9	78.8
102.5°	22.2	23.2	35.4	52.6	69.7	80.8	81.8	72.7	63.6	59.6	58.6
105°	19.2	20.3	30.3	43.5	55.5	62.6	62.6	54.5	46.4	43.5	44.5
107.5°	16.2	17.2	25.3	36.4	46.4	51.6	50.5	42.5	34.4	31.3	32.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	14.1	15.1	22.2	31.3	40.4	43.5	41.4	33.3	24.2	22.2	23.2
112.5°	13.1	13.1	19.2	27.3	34.4	36.4	33.3	25.3	17.2	16.2	17.2
115°	11.2	12.2	16.2	23.2	28.3	30.3	27.3	19.2	12.2	12.2	13.1
117.5°	10.1	11.2	14.1	19.2	24.2	25.3	22.2	15.1	9.1	9.1	10.1
120°	9.1	9.1	12.2	16.2	20.3	20.3	17.2	11.2	7.1	7.1	8.1
122.5°	8.1	9.1	10.1	13.1	16.2	16.2	13.1	8.1	6.0	6.0	7.1
125°	7.1	8.1	9.1	11.2	13.1	13.1	10.1	6.0	5.0	6.0	6.0
127.5°	7.1	7.1	8.1	9.1	11.2	10.1	8.1	4.1	5.0	5.0	6.0
130°	6.0	6.0	7.1	7.1	8.1	8.1	6.0	4.1	4.1	5.0	5.0
132.5°	5.0	5.0	6.0	6.0	7.1	6.0	4.1	3.1	4.1	4.1	5.0
135°	4.1	4.1	4.1	5.0	5.0	4.1	3.1	3.1	4.1	4.1	4.1
137.5°	4.1	3.1	4.1	4.1	3.1	2.0	2.0	2.0	3.1	4.1	4.1
140°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	3.1	3.1	4.1
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.1	3.1
145°	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	2.0	2.0	3.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4	240.4
2.5°	243.5	242.4	239.4	237.4	235.4	233.3	233.3	233.3	232.3	231.3	231.3
5°	256.6	254.6	250.5	246.5	241.4	237.4	235.4	234.4	232.3	230.4	230.4
7.5°	277.8	274.8	267.7	259.6	254.6	248.5	246.5	244.5	241.4	239.4	238.4
10°	310.2	305.0	294.0	283.9	273.7	265.7	262.7	260.6	258.6	258.6	258.6
12.5°	353.5	347.5	333.4	315.2	303.1	290.9	286.9	285.9	286.9	287.9	287.9
15°	404.1	393.9	375.8	351.6	334.4	321.2	317.2	317.2	319.3	320.3	320.3
17.5°	462.7	450.5	420.2	392.0	368.8	354.6	348.5	348.5	352.6	354.6	355.6
20°	524.3	511.2	476.8	431.4	402.0	385.9	378.8	379.8	384.9	389.9	391.0
22.5°	595.1	579.8	528.4	472.8	434.3	413.2	405.1	408.2	416.2	423.3	425.3
25°	675.9	656.6	588.9	517.2	463.7	435.4	429.3	435.4	447.5	456.6	457.7
27.5°	763.7	739.5	650.6	557.6	485.9	449.6	445.5	457.7	471.8	482.8	484.9
30°	861.7	831.4	715.2	593.0	503.1	460.6	456.6	472.8	490.0	503.1	505.1
32.5°	970.8	929.4	777.9	623.3	513.2	464.7	462.7	481.9	503.1	516.2	518.2
35°	1089.0	1034.4	844.5	647.5	517.2	463.7	462.7	484.9	507.1	520.3	521.3
37.5°	1220.4	1153.7	908.2	665.7	516.2	459.6	459.6	482.8	504.1	516.2	516.2
40°	1371.9	1283.0	977.8	677.8	511.2	452.6	453.6	474.8	495.0	503.1	504.1
42.5°	1544.7	1432.4	1041.6	682.9	501.0	444.5	444.5	465.7	481.9	485.9	485.9
45°	1742.6	1599.2	1111.2	681.9	490.9	435.4	436.4	454.6	466.7	467.7	466.7
47.5°	1980.0	1792.1	1176.9	677.8	476.8	426.3	429.3	445.5	454.6	453.6	452.6
50°	2240.7	2000.2	1241.6	668.8	464.7	420.2	424.3	439.5	447.5	444.5	442.4
52.5°	2522.5	2217.5	1299.1	654.6	451.5	415.2	422.3	437.4	444.5	439.5	439.5
55°	2814.4	2432.6	1344.6	633.4	440.5	412.1	423.3	437.4	445.5	440.5	440.5
57.5°	3079.1	2617.4	1365.8	609.2	431.4	411.1	425.3	442.4	449.6	445.5	445.5
60°	3287.3	2746.7	1351.6	580.8	422.3	410.1	429.3	448.6	456.6	451.5	451.5
62.5°	3411.4	2804.3	1301.2	550.6	415.2	411.1	435.4	457.7	463.7	457.7	455.6
65°	3406.4	2744.8	1216.3	518.2	408.2	411.1	439.5	462.7	467.7	460.6	457.7
66°	3361.9	2693.2	1172.8	506.2	406.1	410.1	440.5	462.7	468.7	460.6	457.7
67.5°	3278.1	2587.1	1101.1	486.9	401.1	409.2	441.5	463.7	467.7	460.6	456.6
70°	3013.4	2351.8	966.8	454.6	392.0	404.1	438.4	460.6	463.7	457.7	453.6
72.5°	2617.4	2017.4	830.4	422.3	379.8	393.0	430.4	450.5	455.6	449.6	445.5
75°	2150.8	1636.5	694.0	391.0	361.6	376.9	414.2	434.3	440.5	435.4	430.4
77.5°	1671.9	1252.7	563.6	360.7	340.4	356.6	392.0	410.1	416.2	410.1	407.1
80°	1240.5	926.4	452.6	328.4	316.2	331.3	364.7	380.8	386.9	379.8	377.8
82.5°	890.0	671.8	360.7	293.0	286.9	301.1	331.3	345.5	350.6	346.5	339.4
85°	595.1	462.7	284.9	254.6	255.5	268.7	294.0	303.1	309.1	305.0	299.0
87.5°	403.0	317.2	225.3	216.1	219.2	228.3	251.5	258.6	262.7	257.6	256.6
90°	262.7	219.2	178.8	182.8	186.9	194.0	208.1	211.1	216.1	211.1	210.1
92.5°	178.8	160.6	145.5	152.5	157.6	162.6	170.7	172.8	176.8	172.8	170.7
95°	131.3	124.3	118.2	127.3	132.4	135.3	140.5	139.4	142.4	138.4	136.4
97.5°	100.0	96.0	97.0	105.1	110.1	112.1	114.2	112.1	113.1	109.1	107.1
100°	77.7	75.8	78.8	86.8	90.9	90.9	92.0	89.9	87.9	83.9	80.8
102.5°	59.6	59.6	63.6	71.7	74.8	74.8	73.8	70.7	67.7	63.6	63.6
105°	45.4	46.4	52.6	59.6	61.6	60.7	60.7	56.6	52.6	47.5	47.5
107.5°	34.4	35.4	41.4	48.5	50.5	50.5	48.5	44.5	39.4	35.4	35.4



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CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.3	27.3	33.3	39.4	41.4	40.4	39.4	34.4	29.3	26.3	25.3
112.5°	19.2	20.3	26.3	31.3	33.3	33.3	31.3	26.3	21.2	19.2	19.2
115°	14.1	16.2	20.3	25.3	26.3	26.3	24.2	20.3	15.1	13.1	14.1
117.5°	11.2	12.2	16.2	20.3	20.3	20.3	18.2	14.1	11.2	10.1	10.1
120°	9.1	10.1	12.2	15.1	15.1	15.1	13.1	10.1	8.1	7.1	8.1
122.5°	7.1	8.1	9.1	11.2	11.2	11.2	10.1	7.1	5.0	5.0	6.0
125°	7.1	7.1	7.1	8.1	8.1	8.1	7.1	5.0	4.1	4.1	4.1
127.5°	6.0	6.0	6.0	6.0	6.0	5.0	4.1	3.1	2.0	3.1	3.1
130°	6.0	6.0	5.0	5.0	4.1	3.1	2.0	1.0	1.0	2.0	2.0
132.5°	5.0	5.0	5.0	4.1	3.1	2.0	1.0	0.0	0.0	1.0	1.0
135°	5.0	5.0	4.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0
137.5°	4.1	4.1	4.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	4.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)