

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: P254912

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T4W-FL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254912  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-100-D-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8389.2 lumens  
Efficiency: N/A  
Efficacy: 87.4 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): 96  
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

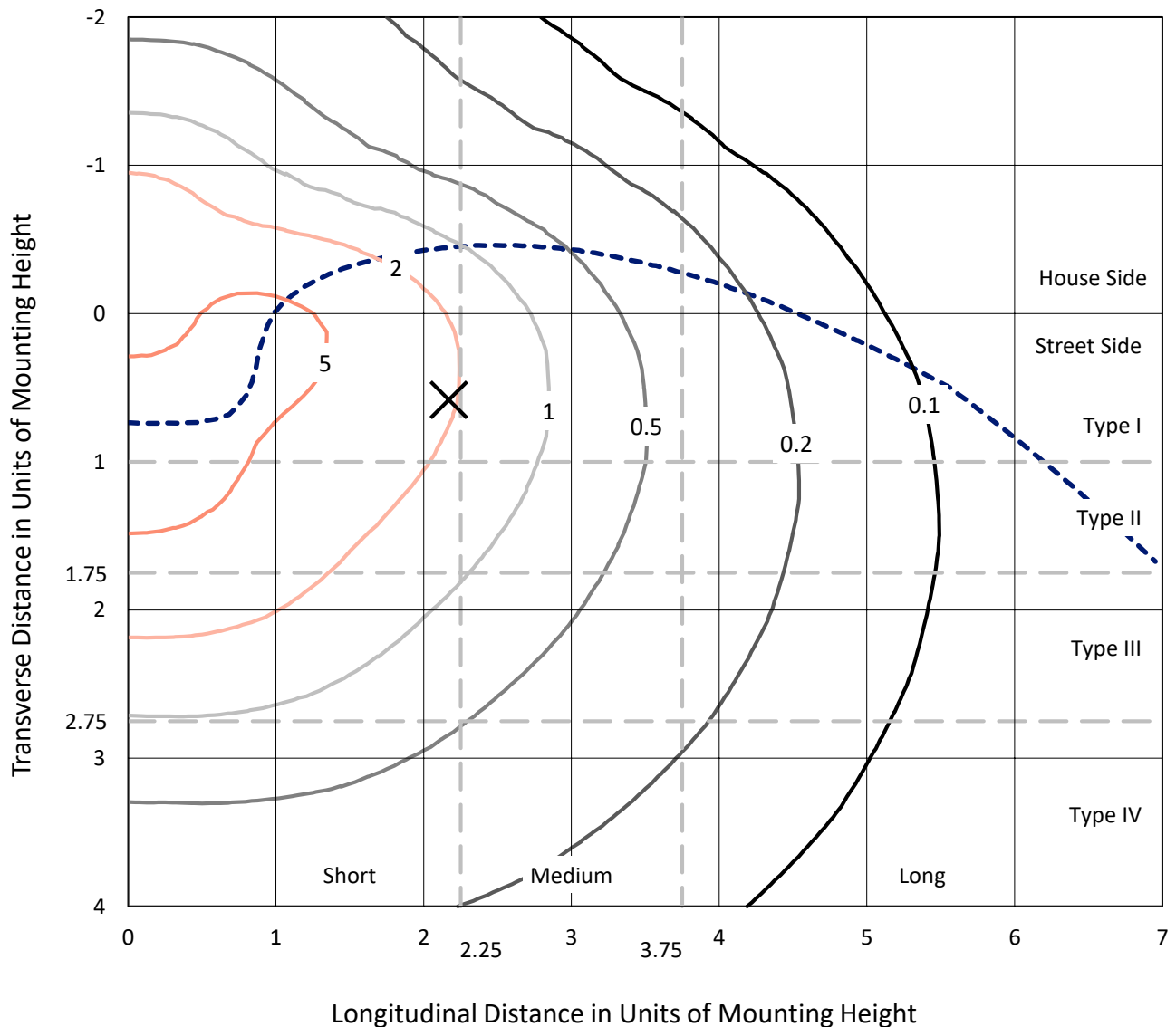


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

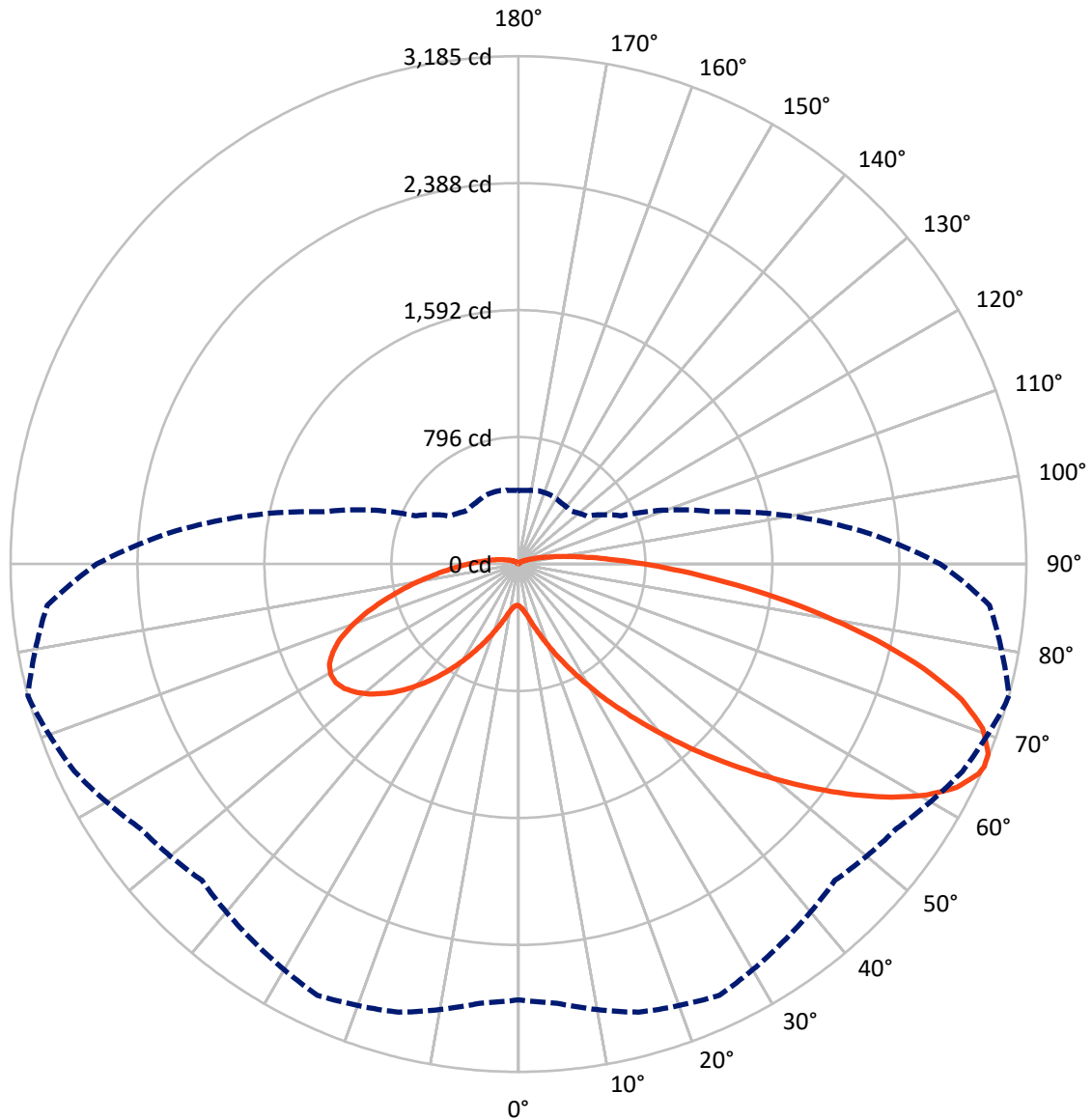


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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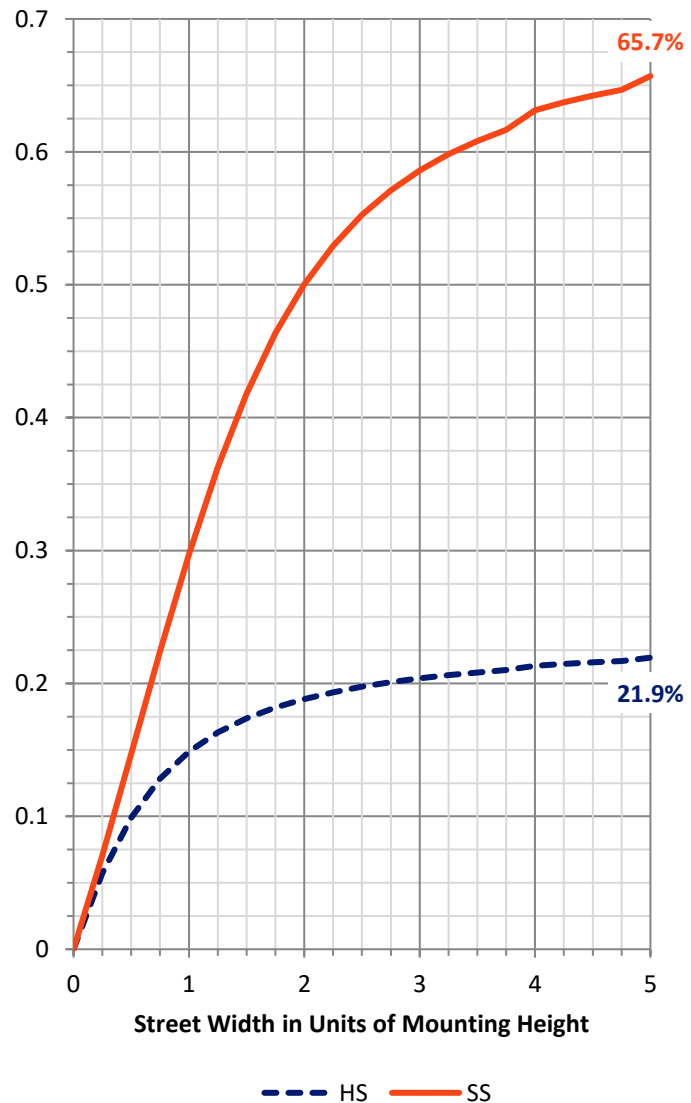
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1944.0	209.5	2153.5
	% Fixture	23.2	2.5	25.7
<b>Street Side</b>	Lumens	5829.3	406.4	6235.7
	% Fixture	69.5	4.8	74.3
<b>Total</b>	Lumens	7773.3	615.8	8389.2
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.7	0.3
10°-20°	116.2	1.4
20°-30°	294.0	3.5
30°-40°	588.1	7.0
40°-50°	999.9	11.9
50°-60°	1487.9	17.7
60°-70°	1827.0	21.8
70°-80°	1571.2	18.7
80°-90°	861.3	10.3
90°-100°	359.4	4.3
100°-110°	146.8	1.8
110°-120°	64.7	0.8
120°-130°	29.5	0.4
130°-140°	12.2	0.1
140°-150°	3.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7773.3	92.7
0°-180°	8389.2	100.0

**Coefficient of Utilization**



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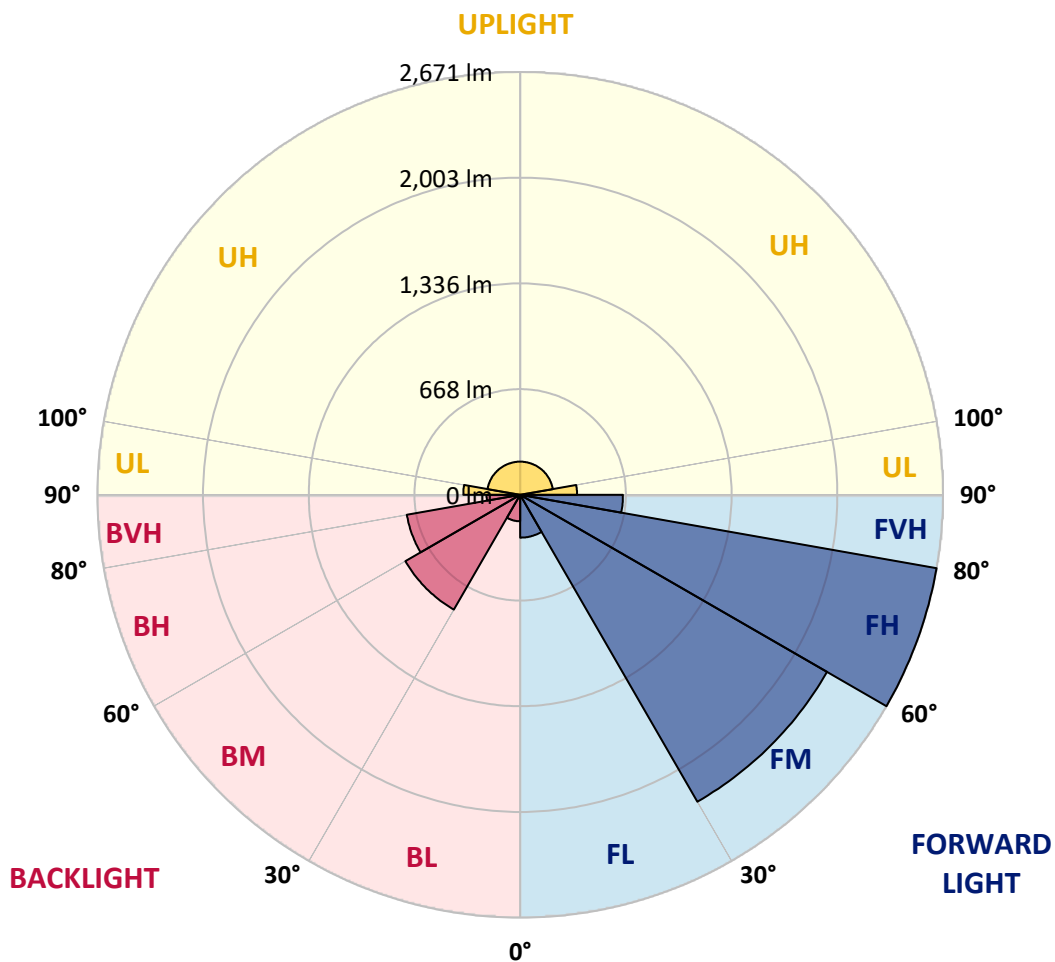
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.6	3.2			
FM	(30°-60°)	2238.6	26.7			
FH	(60°-80°)	2671.1	31.8			G2/5000
FVH	(80°-90°)	649.0	7.7			G4/750
BL	(0°-30°)	167.2	2.0	B1/500		
BM	(30°-60°)	837.4	10.0	B1/1000		
BH	(60°-80°)	727.0	8.7	B2/1000		G2/1000
BVH	(80°-90°)	212.4	2.5			G2/225
UL	(90°-100°)	359.4	4.3		U3/500	
UH	(100°-180°)	209.5	2.5		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°	74°	75°	85°
0°	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9
2.5°	288.5	288.5	287.4	287.4	284.4	281.3	279.3	274.2	271.1	271.1	267.0
5°	319.2	319.2	318.1	316.1	312.0	306.9	300.7	293.6	287.4	286.4	279.3
7.5°	357.0	357.0	355.0	350.9	344.7	337.6	329.4	319.2	310.0	307.9	297.7
10°	404.1	404.1	401.0	394.9	386.7	377.5	366.2	351.9	339.6	338.6	324.3
12.5°	463.4	460.3	458.3	448.1	436.8	424.5	411.2	393.8	381.6	381.6	362.1
15°	530.9	530.9	522.7	509.4	495.1	478.7	464.4	447.0	432.7	431.7	409.2
17.5°	605.6	604.6	595.4	579.0	559.6	543.2	524.8	505.3	489.0	489.0	462.4
20°	691.5	689.5	677.2	655.7	632.2	613.8	593.3	570.8	553.4	553.4	523.8
22.5°	789.7	785.6	770.3	740.6	717.1	690.5	667.0	644.5	626.0	628.1	594.3
25°	900.2	895.1	875.6	837.8	804.0	772.3	748.8	725.3	712.0	706.9	679.2
27.5°	1025.0	1014.8	993.3	945.2	897.1	858.3	833.7	816.3	804.0	799.9	768.2
30°	1162.1	1151.8	1122.2	1061.8	998.4	949.3	925.8	912.5	906.3	901.2	869.5
32.5°	1318.6	1307.3	1266.4	1190.7	1108.9	1047.5	1025.0	1018.9	1018.9	1014.8	983.1
35°	1488.4	1474.1	1425.0	1329.8	1226.5	1152.9	1131.4	1134.5	1135.5	1132.4	1105.8
37.5°	1669.5	1654.1	1595.8	1482.3	1353.4	1265.4	1243.9	1258.2	1278.7	1267.4	1239.8
40°	1855.6	1841.3	1778.9	1640.8	1486.3	1383.0	1361.5	1390.2	1422.9	1413.7	1383.0
42.5°	2040.9	2034.8	1956.0	1808.6	1628.5	1506.8	1491.5	1535.4	1580.5	1574.3	1540.6
45°	2242.4	2224.0	2147.3	1982.6	1781.0	1650.0	1632.6	1692.0	1753.3	1747.2	1713.4
47.5°	2423.5	2406.1	2333.5	2158.5	1934.5	1792.2	1781.0	1860.7	1938.6	1931.4	1897.6
50°	2575.9	2573.8	2512.5	2331.4	2096.1	1940.6	1939.6	2039.9	2135.0	2133.0	2090.0
52.5°	2722.2	2719.1	2662.8	2499.2	2257.8	2090.0	2098.2	2229.1	2342.7	2342.7	2285.4
55°	2834.7	2833.7	2800.9	2658.8	2417.3	2255.7	2279.2	2423.5	2553.4	2553.4	2496.1
57.5°	2913.5	2912.4	2908.4	2799.9	2570.8	2413.2	2450.1	2614.8	2755.9	2759.0	2683.3
60°	2931.9	2941.1	2982.0	2913.5	2707.9	2556.5	2606.6	2790.7	2936.0	2941.1	2837.8
62.5°	2899.1	2913.5	2996.3	2982.0	2812.2	2685.3	2747.7	2937.0	3077.1	3085.3	2943.1
65°	2790.7	2820.4	2947.2	2994.3	2877.7	2779.5	2862.3	3043.4	3160.0	3171.2	2976.9
66°	2732.4	2764.1	2909.4	2983.0	2892.0	2806.1	2893.0	3073.0	3177.4	3184.5	2965.6
67.5°	2621.9	2653.6	2825.5	2939.0	2892.0	2831.6	2918.6	3093.5	3174.3	3177.4	2925.7
70°	2384.6	2433.7	2626.0	2802.0	2832.7	2818.3	2917.6	3062.8	3099.6	3089.4	2773.3
72.5°	2123.7	2151.4	2362.1	2601.5	2704.8	2732.4	2846.0	2947.2	2922.7	2907.3	2544.2
75°	1781.0	1820.9	2051.1	2324.2	2481.8	2566.7	2688.4	2724.2	2662.8	2630.1	2242.4
77.5°	1487.4	1503.7	1718.6	1998.9	2206.6	2322.2	2436.8	2448.0	2321.2	2293.6	1891.4
80°	1182.5	1198.9	1396.3	1665.4	1890.4	2042.9	2143.2	2113.5	1953.9	1927.3	1564.1
82.5°	923.7	946.2	1097.6	1354.4	1572.3	1732.9	1809.6	1761.5	1610.1	1572.3	1246.0
85°	708.9	720.2	861.3	1082.3	1274.6	1420.9	1484.3	1431.1	1268.5	1238.8	979.0
87.5°	540.1	551.4	671.1	845.0	1014.8	1139.6	1188.7	1121.2	989.2	969.8	760.1
90°	412.2	420.4	515.6	664.9	795.9	899.2	932.9	879.7	762.1	744.7	585.1
92.5°	316.1	323.3	396.9	515.6	623.0	711.0	725.3	675.1	584.1	568.8	450.1
95°	242.4	250.6	310.0	403.0	486.9	553.4	563.6	520.7	448.1	435.8	346.8
97.5°	190.3	193.3	243.5	319.2	387.7	433.7	437.8	405.1	342.7	334.5	267.0
100°	152.4	154.5	193.3	252.7	308.9	342.7	344.7	311.0	262.9	256.8	204.6
102.5°	123.8	125.8	155.5	203.6	245.5	273.1	272.1	245.5	203.6	195.4	159.6
105°	102.3	103.3	126.8	165.7	199.5	217.9	216.9	191.3	156.5	151.4	124.8
107.5°	85.9	87.0	104.3	135.0	163.7	179.0	175.9	150.4	121.7	118.7	99.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	72.6	73.7	87.0	112.5	138.1	148.3	144.2	119.7	96.2	92.1	79.8
112.5°	63.4	63.4	73.7	94.1	115.6	124.8	118.7	97.2	75.7	73.7	65.5
115°	55.2	56.3	63.4	79.8	98.2	104.3	98.2	77.7	61.4	59.3	54.2
117.5°	49.1	49.1	55.2	67.5	82.9	87.0	80.8	63.4	50.1	49.1	46.0
120°	44.0	44.0	48.1	57.3	69.6	73.7	67.5	52.2	40.9	39.9	38.9
122.5°	39.9	39.9	41.9	49.1	59.3	61.4	55.2	43.0	34.8	33.8	33.8
125°	35.8	35.8	36.8	41.9	50.1	52.2	46.0	34.8	29.7	28.6	28.6
127.5°	32.7	32.7	32.7	36.8	40.9	43.0	37.8	28.6	24.6	24.6	25.6
130°	29.7	29.7	29.7	30.7	33.8	34.8	30.7	23.5	21.5	21.5	21.5
132.5°	26.6	26.6	25.6	26.6	27.6	27.6	23.5	19.4	18.4	18.4	19.4
135°	23.5	23.5	22.5	22.5	22.5	21.5	18.4	15.3	15.3	15.3	16.4
137.5°	20.5	20.5	19.4	18.4	17.4	15.3	13.3	12.3	12.3	12.3	13.3
140°	17.4	17.4	16.4	14.3	12.3	11.3	9.2	9.2	10.2	10.2	10.2
142.5°	13.3	13.3	12.3	11.3	9.2	7.2	6.1	6.1	7.2	7.2	8.2
145°	10.2	10.2	9.2	7.2	5.1	4.1	3.1	4.1	5.1	5.1	6.1
147.5°	7.2	7.2	6.1	5.1	3.1	1.0	2.0	3.1	4.1	4.1	5.1
150°	4.1	4.1	3.1	2.0	0.0	0.0	1.0	2.0	3.1	3.1	3.1
152.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9
2.5°	264.9	262.9	258.8	255.7	251.6	249.6	247.6	245.5	244.5	242.4	242.4
5°	274.2	271.1	263.9	257.8	250.6	245.5	240.4	237.3	235.3	234.3	234.3
7.5°	291.5	286.4	275.2	266.0	255.7	249.6	243.5	237.3	234.3	233.2	233.2
10°	316.1	310.0	294.6	281.3	268.0	258.8	252.7	245.5	242.4	240.4	240.4
12.5°	351.9	341.7	323.3	303.8	286.4	275.2	267.0	261.9	261.9	263.9	262.9
15°	396.9	385.7	359.1	334.5	311.0	295.6	290.5	289.5	289.5	290.5	290.5
17.5°	446.0	430.7	400.0	368.3	340.6	325.3	319.2	317.1	317.1	318.1	320.2
20°	505.3	485.9	447.0	406.1	376.4	358.0	348.8	345.8	347.8	351.9	351.9
22.5°	573.9	552.4	500.2	448.1	413.3	389.7	378.5	375.4	379.5	384.6	385.7
25°	652.6	624.0	558.5	494.1	449.1	419.4	408.2	404.1	410.2	416.3	419.4
27.5°	739.6	702.8	622.0	540.1	480.8	445.0	432.7	431.7	439.9	448.1	451.1
30°	835.8	790.7	689.5	588.2	513.5	467.5	454.2	457.3	466.5	476.7	478.7
32.5°	942.1	888.9	760.1	635.3	539.1	484.9	469.5	476.7	487.9	501.2	503.3
35°	1057.7	993.3	834.7	679.2	561.6	498.2	482.8	492.0	504.3	518.6	520.7
37.5°	1183.6	1104.8	909.4	718.1	579.0	506.4	490.0	501.2	515.6	528.9	530.9
40°	1314.5	1220.4	984.1	752.9	591.3	511.5	493.1	505.3	519.7	529.9	531.9
42.5°	1462.8	1345.2	1056.7	780.5	598.4	512.5	493.1	504.3	518.6	525.8	526.8
45°	1620.4	1477.1	1128.3	803.0	601.5	511.5	490.0	502.3	513.5	516.6	517.6
47.5°	1784.0	1612.2	1192.8	816.3	601.5	507.4	485.9	495.1	504.3	503.3	504.3
50°	1966.2	1753.3	1253.1	824.5	597.4	502.3	481.8	489.0	495.1	490.0	491.0
52.5°	2138.1	1893.5	1302.2	827.6	590.2	496.1	477.7	483.9	486.9	479.8	479.8
55°	2308.9	2025.5	1342.1	821.4	581.0	491.0	474.6	480.8	480.8	471.6	471.6
57.5°	2467.5	2138.1	1364.6	809.2	569.8	486.9	472.6	478.7	478.7	466.5	466.5
60°	2590.2	2218.9	1365.6	789.7	556.5	481.8	471.6	478.7	477.7	465.4	464.4
62.5°	2664.9	2254.7	1342.1	762.1	543.2	476.7	470.6	477.7	477.7	464.4	463.4
65°	2664.9	2231.2	1291.0	729.4	527.8	470.6	468.5	477.7	475.7	463.4	461.4
66°	2644.4	2205.6	1263.3	715.0	522.7	468.5	467.5	477.7	475.7	463.4	460.3
67.5°	2588.2	2144.2	1218.3	691.5	510.5	463.4	465.4	474.6	473.6	460.3	458.3
70°	2424.5	1985.6	1121.2	649.6	492.0	454.2	459.3	467.5	466.5	454.2	450.1
72.5°	2184.1	1776.9	1010.7	604.6	471.6	441.9	448.1	456.2	454.2	444.0	439.9
75°	1900.6	1540.6	891.0	556.5	447.0	425.5	432.7	439.9	437.8	428.6	422.5
77.5°	1594.8	1297.1	772.3	506.4	421.5	405.1	412.2	419.4	415.3	407.1	403.0
80°	1295.1	1061.8	659.8	456.2	391.8	381.6	388.7	390.8	387.7	380.5	375.4
82.5°	1033.2	854.2	553.4	407.1	360.1	353.9	359.1	359.1	356.0	348.8	343.7
85°	811.2	681.3	465.4	358.0	328.4	324.3	327.3	324.3	320.2	313.0	308.9
87.5°	639.3	546.3	389.7	315.1	293.6	292.6	293.6	286.4	282.3	276.2	272.1
90°	499.2	428.6	325.3	274.2	261.9	260.9	258.8	251.6	242.4	236.3	233.2
92.5°	389.7	344.7	269.0	234.3	228.1	227.1	224.0	214.8	208.7	200.5	197.4
95°	308.9	275.2	223.0	202.5	199.5	198.5	194.4	184.1	175.9	167.8	165.7
97.5°	242.4	217.9	186.2	173.9	172.9	171.9	166.7	155.5	146.3	138.1	137.1
100°	190.3	174.9	155.5	149.4	149.4	148.3	143.2	132.0	120.7	112.5	111.5
102.5°	151.4	141.2	129.9	127.9	127.9	126.8	121.7	112.5	99.2	90.0	90.0
105°	120.7	114.6	108.4	109.5	110.5	109.5	104.3	93.1	79.8	72.6	72.6
107.5°	97.2	93.1	91.0	93.1	94.1	94.1	89.0	76.7	64.4	58.3	58.3



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CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	78.8	76.7	76.7	78.8	80.8	80.8	74.7	64.4	52.2	47.1	47.1
112.5°	64.4	63.4	64.4	68.5	69.6	68.5	63.4	53.2	41.9	38.9	38.9
115°	54.2	54.2	55.2	58.3	60.4	58.3	53.2	43.0	33.8	31.7	31.7
117.5°	46.0	46.0	47.1	50.1	51.1	49.1	44.0	34.8	27.6	26.6	26.6
120°	38.9	38.9	39.9	41.9	43.0	40.9	35.8	28.6	22.5	21.5	22.5
122.5°	33.8	33.8	34.8	35.8	36.8	34.8	29.7	22.5	18.4	18.4	18.4
125°	29.7	29.7	29.7	30.7	30.7	28.6	24.6	18.4	14.3	15.3	15.3
127.5°	25.6	25.6	25.6	25.6	25.6	23.5	19.4	14.3	12.3	13.3	13.3
130°	22.5	22.5	21.5	21.5	20.5	19.4	15.3	11.3	10.2	11.3	11.3
132.5°	19.4	19.4	18.4	17.4	16.4	15.3	12.3	8.2	8.2	9.2	9.2
135°	16.4	16.4	15.3	14.3	13.3	11.3	8.2	6.1	6.1	7.2	7.2
137.5°	13.3	13.3	12.3	11.3	9.2	8.2	6.1	4.1	5.1	6.1	6.1
140°	10.2	10.2	9.2	8.2	6.1	4.1	3.1	3.1	3.1	4.1	4.1
142.5°	8.2	8.2	7.2	5.1	3.1	2.0	1.0	1.0	2.0	3.1	3.1
145°	6.1	6.1	5.1	4.1	2.0	1.0	0.0	0.0	1.0	1.0	1.0
147.5°	5.1	4.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	4.1	3.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	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)