

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: P254855

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T3-FL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254855  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7052.2 lumens  
Efficiency: N/A  
Efficacy: 95.3 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 - G3

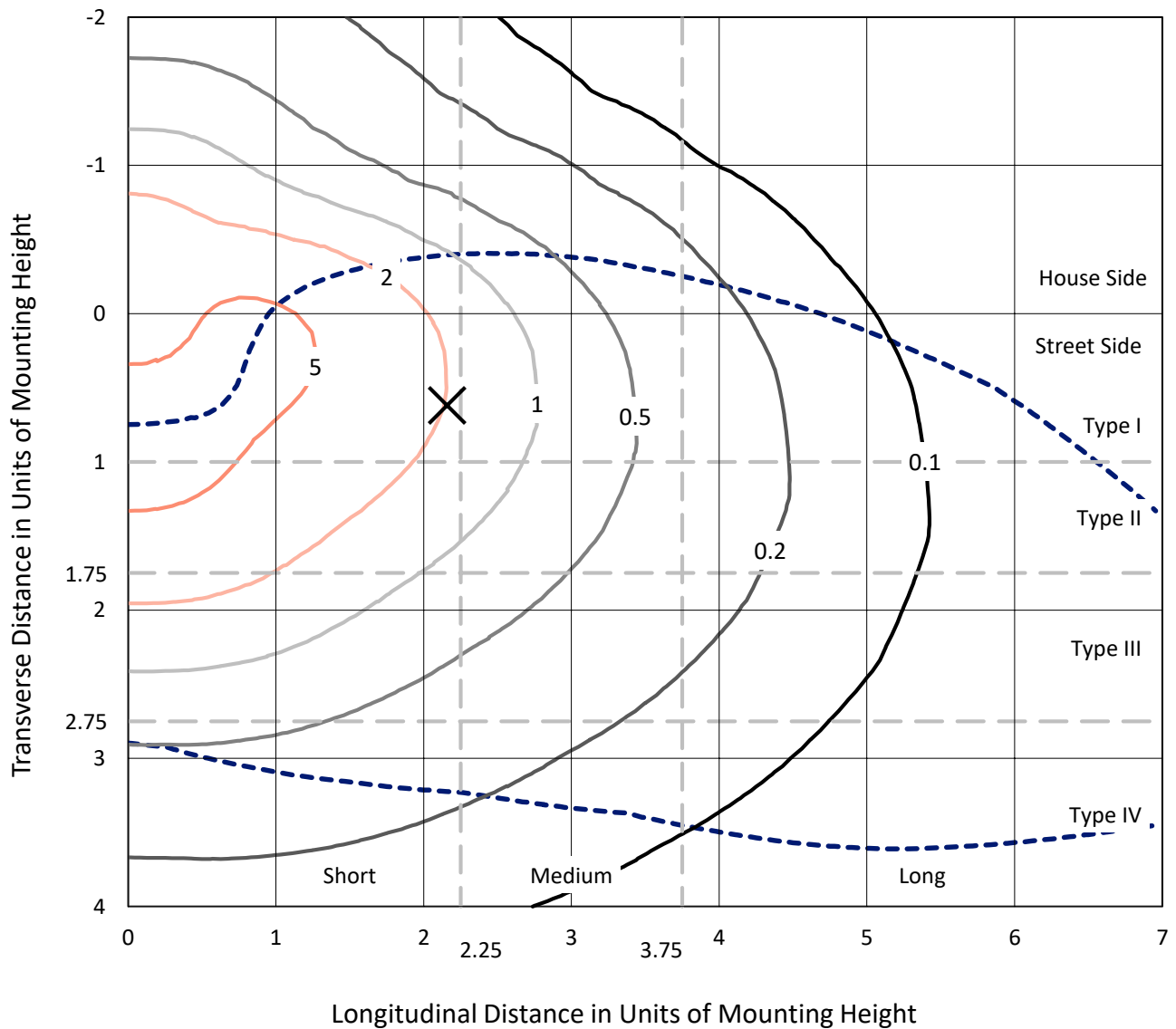
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P254855  
 CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

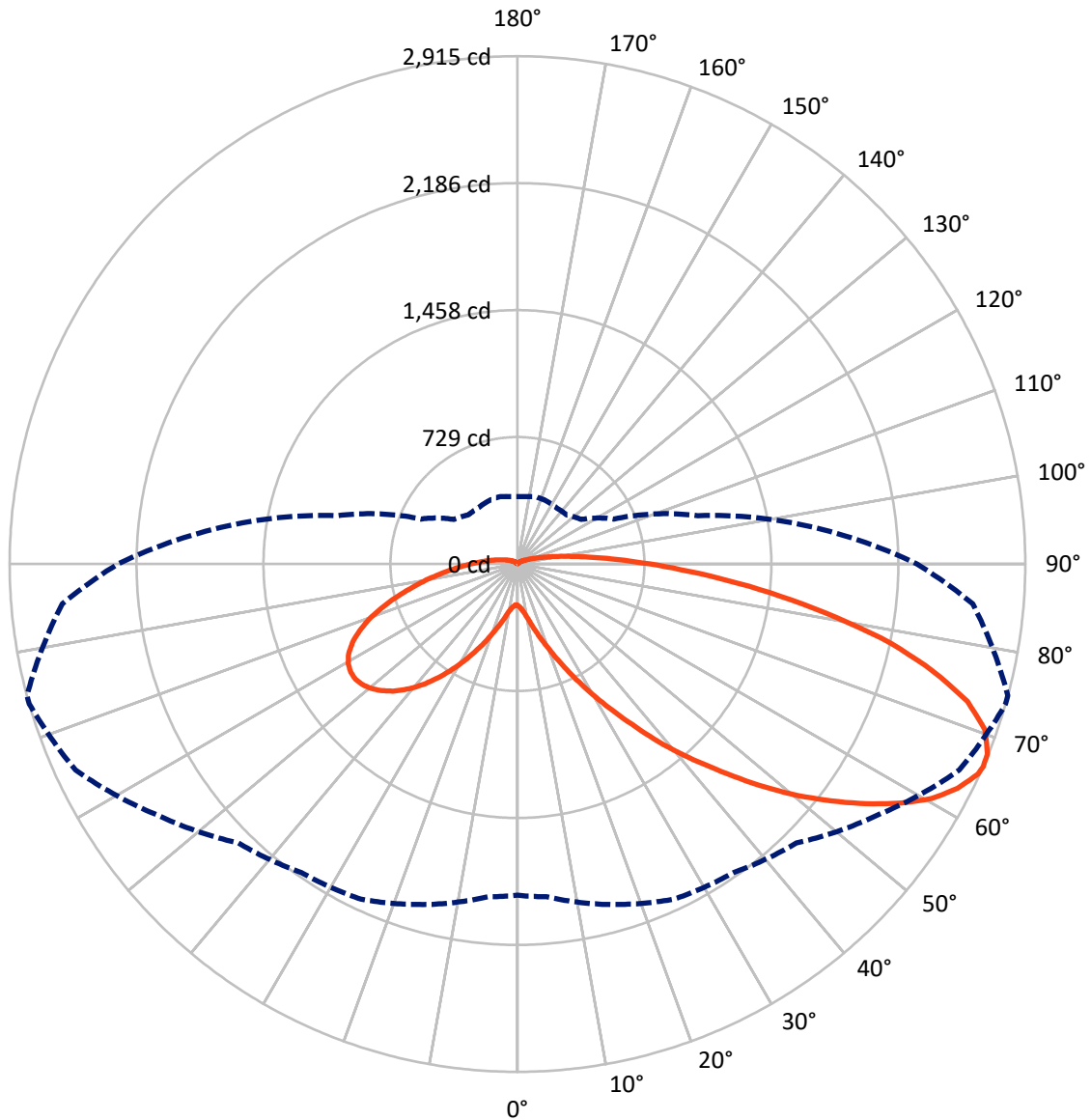


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P254855

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P254855

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL

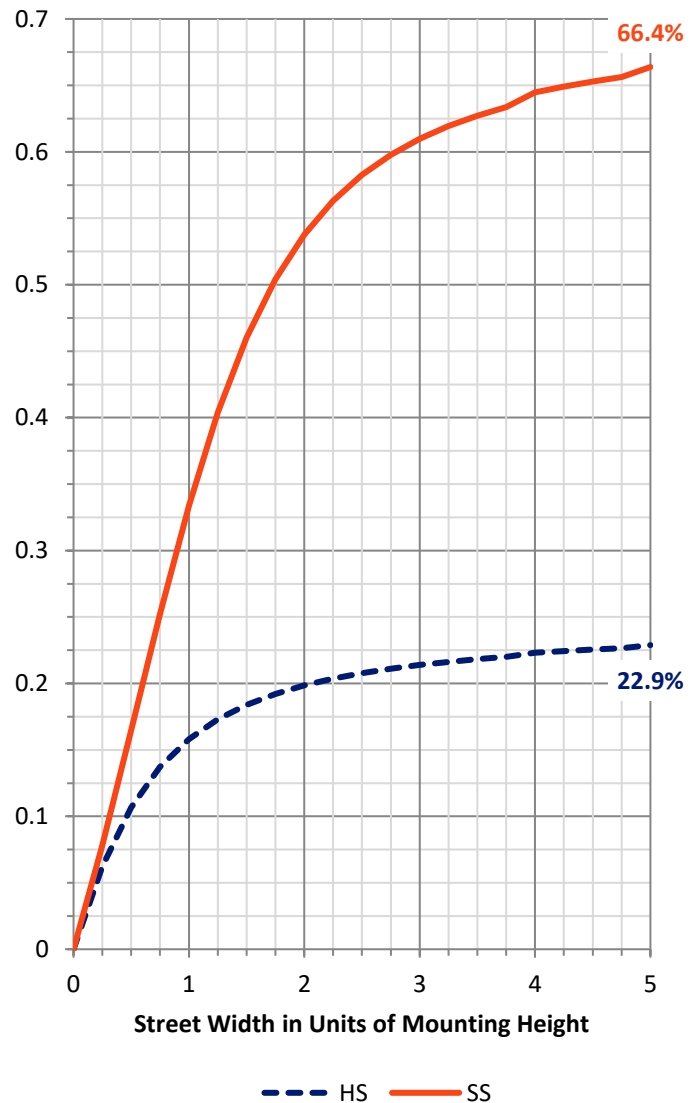
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1696.2	175.4	1871.6
	% Fixture	24.1	2.5	26.5
<b>Street Side</b>	Lumens	4880.0	300.7	5180.6
	% Fixture	69.2	4.3	73.5
<b>Total</b>	Lumens	6576.2	476.0	7052.2
	% Fixture	93.2	6.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.2	0.4
10°-20°	106.8	1.5
20°-30°	273.9	3.9
30°-40°	554.7	7.9
40°-50°	939.2	13.3
50°-60°	1331.7	18.9
60°-70°	1503.6	21.3
70°-80°	1202.4	17.0
80°-90°	638.7	9.1
90°-100°	269.3	3.8
100°-110°	114.5	1.6
110°-120°	52.9	0.7
120°-130°	25.2	0.4
130°-140°	11.0	0.2
140°-150°	2.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6576.2	93.2
0°-180°	7052.2	100.0



REPORT NUMBER: P254855

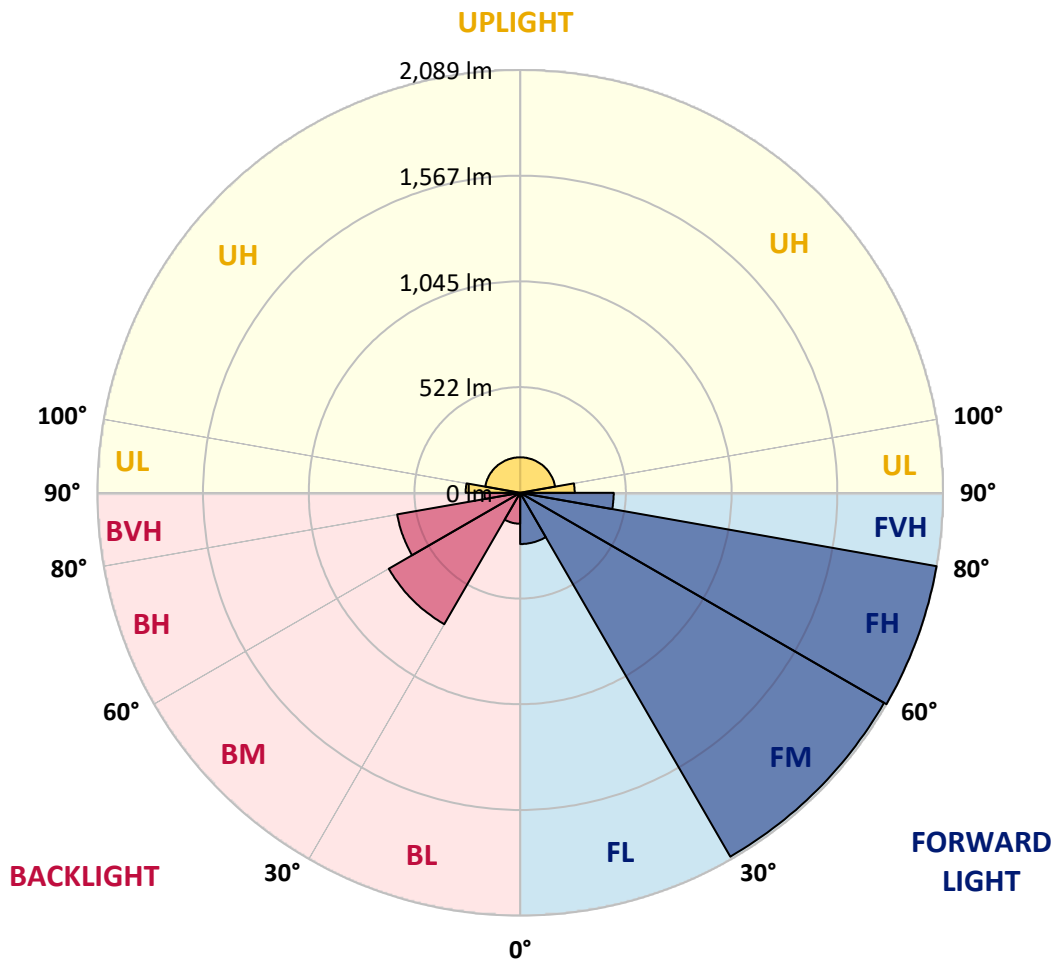
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.0	3.6			
FM (30°-60°)	2075.8	29.4			
FH (60°-80°)	2089.0	29.6			G2/5000
FVH (80°-90°)	462.1	6.6			G3/500
BL (0°-30°)	152.9	2.2	B1/500		
BM (30°-60°)	749.9	10.6	B1/1000		
BH (60°-80°)	616.9	8.7	B2/1000		G2/1000
BVH (80°-90°)	176.6	2.5			G2/225
UL (90°-100°)	269.3	3.8		U3/500	
UH (100°-180°)	175.4	2.5		U3/500	

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

Type IV Short





REPORT NUMBER: P254855

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3
2.5°	259.7	261.5	259.7	258.9	257.2	256.4	252.9	248.6	246.0	245.2	241.7
5°	286.3	288.9	287.1	284.6	282.0	278.5	273.4	266.6	261.5	260.5	253.7
7.5°	318.9	322.3	319.8	316.3	312.0	306.9	299.1	290.6	282.8	281.2	272.6
10°	365.2	364.3	360.9	355.8	349.7	344.6	335.1	322.3	312.9	311.2	299.1
12.5°	417.5	417.5	412.4	404.6	396.0	388.3	378.9	364.3	354.0	351.5	336.9
15°	476.6	479.2	471.5	462.9	450.9	439.8	431.2	415.7	403.8	401.2	383.2
17.5°	546.1	546.9	538.3	527.1	513.4	503.2	490.3	474.0	460.3	457.8	435.5
20°	625.7	624.9	614.6	599.1	583.8	574.3	558.0	540.0	524.6	522.9	496.3
22.5°	716.6	709.7	702.1	682.3	669.4	651.5	634.3	613.8	599.1	596.6	568.4
25°	818.7	809.2	801.5	775.8	756.9	735.5	717.5	699.5	687.4	682.3	648.9
27.5°	933.4	927.5	912.1	880.4	851.2	824.6	810.9	793.8	780.9	778.4	744.1
30°	1062.0	1047.5	1031.2	992.7	953.2	917.2	903.5	896.6	887.2	883.7	845.2
32.5°	1189.8	1189.0	1164.9	1116.0	1064.7	1024.4	1011.5	1008.0	999.5	1000.3	954.1
35°	1340.7	1339.8	1309.8	1249.8	1185.5	1135.8	1127.2	1131.5	1128.9	1128.1	1075.7
37.5°	1501.0	1497.5	1464.0	1391.2	1311.5	1255.0	1248.9	1263.5	1274.7	1266.9	1206.1
40°	1666.4	1668.9	1623.5	1537.8	1444.4	1380.1	1376.7	1410.0	1422.1	1414.3	1342.4
42.5°	1826.7	1824.9	1782.1	1693.8	1578.9	1510.4	1512.9	1556.6	1571.3	1567.8	1488.1
45°	1981.9	1980.1	1941.6	1838.7	1716.9	1642.3	1655.2	1708.4	1736.7	1736.7	1641.5
47.5°	2118.1	2116.4	2083.0	1978.4	1849.8	1774.4	1795.0	1867.0	1914.1	1908.1	1795.8
50°	2229.5	2227.0	2203.8	2107.9	1975.8	1903.8	1939.0	2032.4	2089.9	2077.0	1953.5
52.5°	2300.7	2304.1	2293.0	2212.4	2089.0	2023.8	2077.8	2195.3	2258.7	2253.6	2113.8
55°	2335.0	2336.7	2350.4	2287.8	2179.8	2130.1	2209.9	2352.2	2430.1	2423.3	2268.2
57.5°	2318.7	2323.8	2360.8	2328.1	2242.4	2217.6	2328.1	2497.0	2590.4	2591.3	2404.4
60°	2250.2	2263.9	2320.5	2328.1	2273.3	2274.1	2425.8	2625.6	2732.7	2726.8	2517.6
62.5°	2135.3	2152.4	2234.7	2276.7	2257.9	2299.9	2490.2	2725.9	2835.6	2839.9	2599.0
65°	1976.6	1993.0	2092.4	2176.4	2198.7	2285.3	2518.4	2789.3	2905.9	2905.1	2627.3
66°	1901.3	1917.5	2023.8	2123.2	2162.7	2264.7	2516.8	2798.7	2915.3	2914.5	2623.1
67.5°	1777.0	1795.0	1905.6	2026.4	2091.5	2219.3	2497.0	2793.6	2910.2	2908.5	2594.7
70°	1547.2	1567.8	1691.2	1824.9	1933.8	2101.9	2418.2	2735.3	2846.8	2838.2	2490.2
72.5°	1307.2	1328.6	1452.1	1594.4	1747.8	1946.7	2276.7	2600.8	2701.0	2689.8	2315.2
75°	1072.4	1092.9	1214.7	1359.5	1525.8	1742.7	2077.8	2388.2	2467.9	2467.1	2079.6
77.5°	858.1	876.1	984.9	1128.9	1296.9	1516.4	1833.5	2131.0	2196.2	2179.0	1799.3
80°	672.9	690.1	783.5	912.9	1076.7	1281.6	1566.1	1819.8	1855.0	1844.7	1503.5
82.5°	522.0	537.5	618.9	731.2	878.6	1058.7	1284.9	1506.1	1522.4	1511.2	1217.2
85°	403.8	417.5	486.9	583.8	708.9	858.1	1038.9	1195.8	1211.2	1203.5	961.8
87.5°	312.9	322.3	380.6	462.1	567.4	688.3	823.8	944.6	938.7	930.9	744.1
90°	241.7	251.1	299.1	366.8	453.5	547.8	647.2	728.6	717.5	708.9	570.9
92.5°	187.7	194.6	236.6	293.2	363.5	435.5	505.7	558.0	543.5	537.5	435.5
95°	148.3	153.4	186.9	239.2	293.2	348.0	396.0	432.9	411.4	406.3	331.7
97.5°	119.2	122.5	150.9	192.8	238.3	280.3	312.9	328.3	312.0	307.7	252.9
100°	97.7	99.4	123.5	156.8	193.7	228.0	248.6	255.4	238.3	234.9	192.8
102.5°	80.6	82.2	102.0	132.0	161.1	185.2	198.0	202.3	180.9	178.3	149.1
105°	67.7	68.5	84.9	111.4	135.4	152.6	161.1	156.8	139.7	137.2	116.6
107.5°	58.3	59.1	71.2	95.1	114.9	127.8	132.9	126.8	108.8	106.3	91.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	50.5	50.5	60.9	80.6	97.7	108.8	110.6	101.2	85.7	84.0	73.8
112.5°	44.6	44.6	53.2	69.5	84.0	92.6	92.6	82.2	67.7	66.9	60.0
115°	40.3	40.3	46.3	60.0	72.8	79.7	78.1	66.9	54.8	54.0	49.7
117.5°	36.0	36.0	40.3	51.5	62.6	68.5	66.0	54.8	44.6	43.7	42.0
120°	32.5	32.5	36.0	43.7	54.0	58.3	55.8	45.4	36.8	36.0	35.2
122.5°	30.0	30.0	31.7	38.6	46.3	49.7	47.2	37.7	30.9	30.9	30.0
125°	27.4	27.4	29.2	33.5	39.4	42.9	39.4	30.9	25.7	25.7	26.6
127.5°	25.7	25.7	26.6	29.2	34.3	36.0	32.5	25.7	22.3	22.3	23.1
130°	23.1	23.1	24.0	25.7	28.3	30.0	26.6	21.4	19.7	18.8	19.7
132.5°	21.4	21.4	21.4	22.3	23.1	24.0	21.4	17.2	16.3	16.3	17.2
135°	18.8	19.7	18.8	18.8	18.8	18.8	16.3	13.7	13.7	13.7	14.5
137.5°	17.2	17.2	16.3	15.4	15.4	14.5	12.9	11.2	11.2	11.2	12.0
140°	14.5	14.5	14.5	12.9	11.2	10.3	8.6	8.6	9.4	9.4	10.3
142.5°	12.0	12.0	11.2	10.3	7.7	6.9	6.0	6.0	6.9	6.9	7.7
145°	9.4	9.4	8.6	6.9	5.1	3.5	3.5	3.5	4.3	4.3	5.1
147.5°	6.9	6.9	6.0	4.3	2.6	1.7	1.7	2.6	3.5	3.5	4.3
150°	4.3	4.3	3.5	2.6	0.8	0.0	0.8	1.7	2.6	2.6	3.5
152.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.8	1.7	1.7	2.6
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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





REPORT NUMBER: P254855

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3
2.5°	240.0	238.3	234.9	232.3	228.8	227.2	226.3	224.5	223.7	222.9	222.9
5°	250.3	246.8	240.9	234.9	229.8	224.5	222.0	219.4	216.9	215.1	215.1
7.5°	267.4	262.3	252.9	243.5	234.9	228.0	222.9	219.4	216.0	214.3	213.5
10°	291.4	284.6	271.7	258.9	246.8	236.6	229.8	225.5	222.0	219.4	218.6
12.5°	329.2	318.9	300.0	281.2	262.3	251.1	241.7	239.2	237.4	235.7	237.4
15°	372.9	360.0	336.9	312.0	288.9	270.9	263.2	261.5	259.7	258.9	258.9
17.5°	421.8	408.1	377.2	344.6	316.3	298.3	287.1	283.8	281.2	280.3	279.5
20°	480.9	462.9	423.5	381.5	348.0	328.3	312.9	306.9	304.3	304.3	304.3
22.5°	549.4	525.5	476.6	421.8	383.2	355.8	339.4	330.0	328.3	329.2	328.3
25°	626.7	597.5	534.9	467.2	416.6	382.3	361.7	353.1	350.6	352.3	352.3
27.5°	714.0	680.6	597.5	515.2	448.4	405.5	382.3	374.6	372.0	374.6	374.6
30°	805.8	768.0	662.6	560.6	475.8	424.3	398.6	392.6	390.1	392.6	393.4
32.5°	915.4	858.9	731.2	604.4	501.5	439.8	412.4	407.1	404.6	408.1	408.1
35°	1028.7	959.2	799.7	644.6	522.0	450.9	421.8	417.5	415.7	419.2	419.2
37.5°	1143.5	1068.1	870.0	680.6	537.5	458.6	428.6	425.1	424.3	424.3	425.1
40°	1269.5	1175.2	936.9	709.7	548.6	462.9	432.9	428.6	427.7	426.9	426.9
42.5°	1399.8	1278.9	997.0	732.0	553.7	463.7	432.9	430.4	429.4	426.1	425.1
45°	1533.5	1389.5	1053.5	747.5	555.5	462.1	432.0	429.4	428.6	422.6	421.8
47.5°	1669.9	1495.8	1099.8	754.3	551.2	458.6	429.4	426.9	425.1	415.7	415.7
50°	1804.4	1600.4	1139.3	755.1	544.3	452.6	426.1	425.1	421.8	410.6	408.9
52.5°	1936.4	1698.9	1168.3	749.2	533.2	446.6	422.6	422.6	418.3	406.3	404.6
55°	2060.7	1787.3	1185.5	735.5	520.3	438.8	418.3	419.2	414.9	402.0	400.3
57.5°	2168.7	1860.1	1188.1	714.9	505.7	431.2	414.0	415.7	413.2	398.6	396.9
60°	2255.3	1906.4	1176.1	690.1	488.6	421.8	408.9	412.4	409.7	396.0	395.2
62.5°	2302.5	1924.4	1146.1	659.2	471.5	413.2	402.0	408.1	406.3	392.6	391.7
65°	2305.8	1902.1	1096.4	624.0	453.5	402.8	396.0	401.2	401.2	389.1	388.3
66°	2293.0	1879.9	1071.5	610.3	445.7	398.6	392.6	398.6	399.5	388.3	386.6
67.5°	2252.7	1833.5	1028.7	586.4	433.7	391.7	386.6	393.4	394.3	384.8	382.3
70°	2140.4	1720.4	950.6	546.9	414.0	378.0	375.4	382.3	384.0	376.3	373.8
72.5°	1968.2	1572.1	858.9	504.0	391.7	362.6	361.7	368.6	370.3	363.5	360.9
75°	1750.4	1377.5	757.8	462.1	367.8	345.5	344.6	349.7	352.3	347.2	342.9
77.5°	1501.8	1177.8	658.4	419.2	343.7	325.7	325.7	330.0	330.9	325.7	321.4
80°	1247.2	980.6	568.4	376.3	318.9	303.4	303.4	305.1	306.1	300.8	295.7
82.5°	1008.0	799.7	481.7	335.1	290.6	278.5	277.7	277.7	276.9	272.6	266.6
85°	797.2	642.0	402.8	296.6	263.2	253.7	251.1	248.6	246.8	241.7	236.6
87.5°	623.2	510.9	339.4	260.5	235.7	228.0	224.5	221.2	216.9	210.8	204.0
90°	484.3	404.6	282.8	227.2	208.3	201.4	196.3	191.2	186.0	179.1	175.7
92.5°	375.4	319.8	236.6	195.5	182.6	177.5	172.3	165.4	158.6	151.7	148.3
95°	292.3	254.6	196.3	168.9	159.5	155.2	150.0	142.3	133.7	126.8	124.3
97.5°	228.0	202.3	163.8	145.8	139.7	134.6	129.4	121.7	112.3	104.5	102.9
100°	177.5	161.1	137.2	126.0	120.9	117.4	112.3	104.5	93.4	85.7	84.9
102.5°	140.6	129.4	114.9	108.8	105.5	102.0	96.9	89.1	78.1	69.5	69.5
105°	111.4	104.5	96.9	93.4	90.8	88.3	83.2	75.4	63.4	56.6	56.6
107.5°	90.0	84.9	81.4	79.7	78.9	76.3	72.0	63.4	52.3	46.3	46.3



REPORT NUMBER: P254855

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	72.8	70.3	68.5	68.5	67.7	66.9	61.7	53.2	42.9	37.7	38.6
112.5°	60.0	58.3	58.3	59.1	59.1	57.4	52.3	44.6	35.2	31.7	31.7
115°	49.7	48.9	49.7	50.5	51.5	49.7	44.6	36.8	28.3	26.6	26.6
117.5°	42.0	42.0	42.9	43.7	43.7	42.0	37.7	30.9	23.1	22.3	22.3
120°	36.0	36.0	36.0	36.8	37.7	36.0	31.7	24.9	18.8	18.8	18.8
122.5°	30.9	30.9	30.9	31.7	31.7	30.9	26.6	20.6	16.3	16.3	16.3
125°	26.6	26.6	26.6	27.4	27.4	25.7	21.4	17.2	13.7	13.7	13.7
127.5°	23.1	23.1	23.1	23.1	23.1	21.4	18.0	13.7	11.2	12.0	12.0
130°	20.6	20.6	19.7	19.7	18.8	18.0	14.5	11.2	9.4	10.3	10.3
132.5°	17.2	18.0	17.2	16.3	15.4	13.7	11.2	8.6	7.7	8.6	8.6
135°	14.5	15.4	14.5	12.9	12.0	11.2	8.6	6.9	6.9	6.9	6.9
137.5°	12.9	12.9	12.0	10.3	9.4	7.7	6.0	5.1	5.1	6.0	6.0
140°	10.3	10.3	9.4	7.7	6.9	5.1	3.5	3.5	4.3	4.3	4.3
142.5°	7.7	7.7	6.9	5.1	3.5	2.6	1.7	1.7	2.6	3.5	3.5
145°	5.1	5.1	5.1	3.5	2.6	0.8	0.0	0.8	1.7	1.7	1.7
147.5°	4.3	4.3	3.5	2.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8
150°	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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)