

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: P255285

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-50-D-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5563.8 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

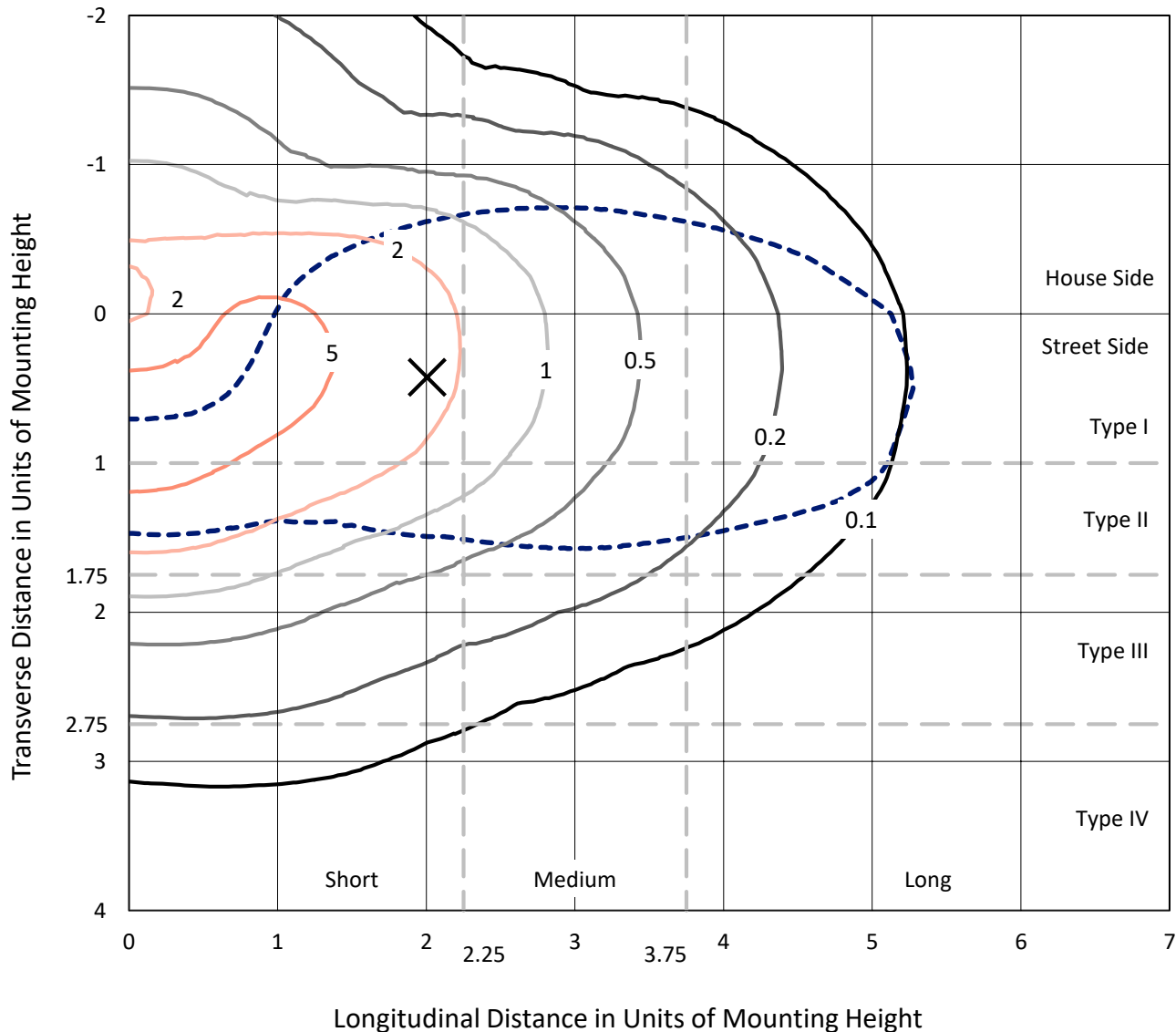
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

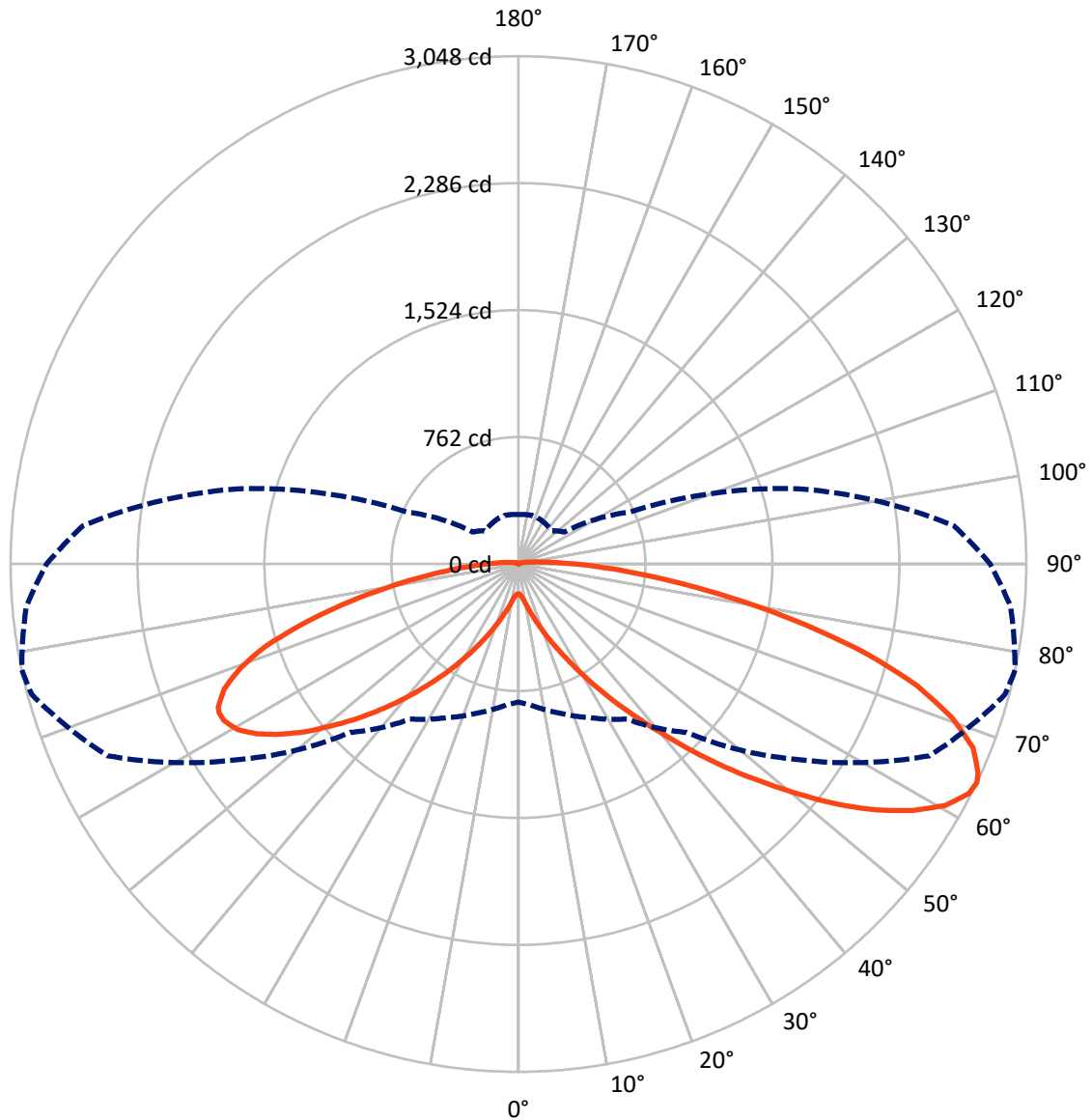
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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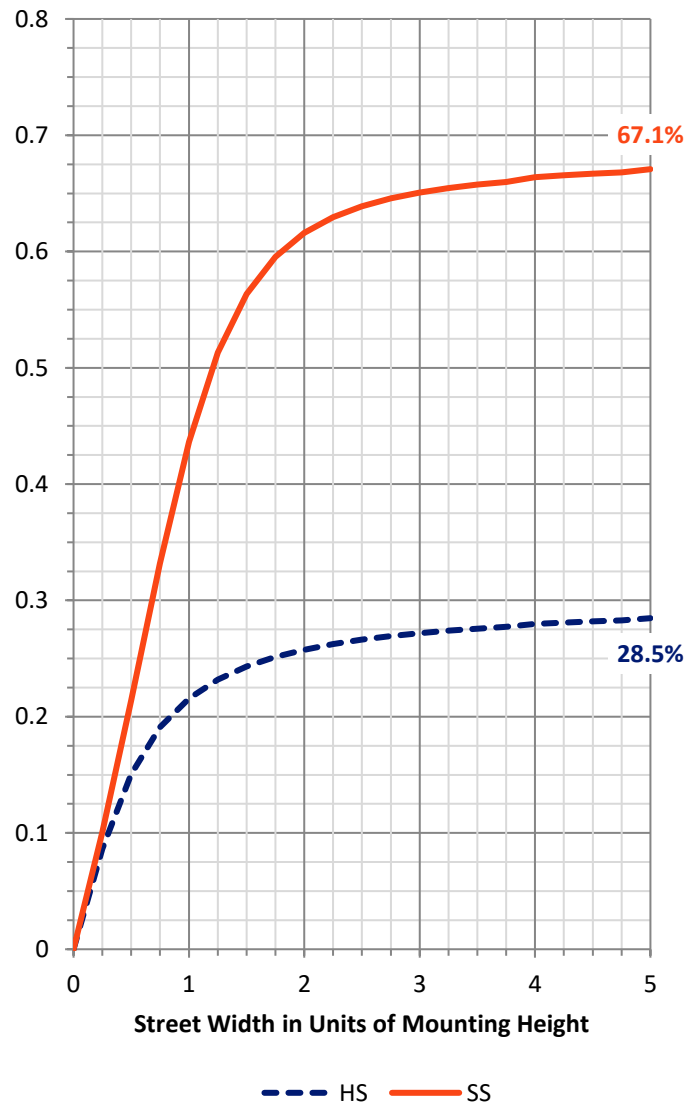
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1633.6	75.2	1708.9
	% Fixture	29.4	1.4	30.7
<b>Street Side</b>	Lumens	3783.6	71.3	3854.9
	% Fixture	68.0	1.3	69.3
<b>Total</b>	Lumens	5417.3	146.5	5563.8
	% Fixture	97.4	2.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.5	0.4
10°-20°	90.2	1.6
20°-30°	251.4	4.5
30°-40°	546.3	9.8
40°-50°	943.5	17.0
50°-60°	1249.2	22.5
60°-70°	1218.6	21.9
70°-80°	792.1	14.2
80°-90°	306.5	5.5
90°-100°	88.5	1.6
100°-110°	33.6	0.6
110°-120°	14.6	0.3
120°-130°	6.4	0.1
130°-140°	2.6	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5417.3	97.4
0°-180°	5563.8	100.0



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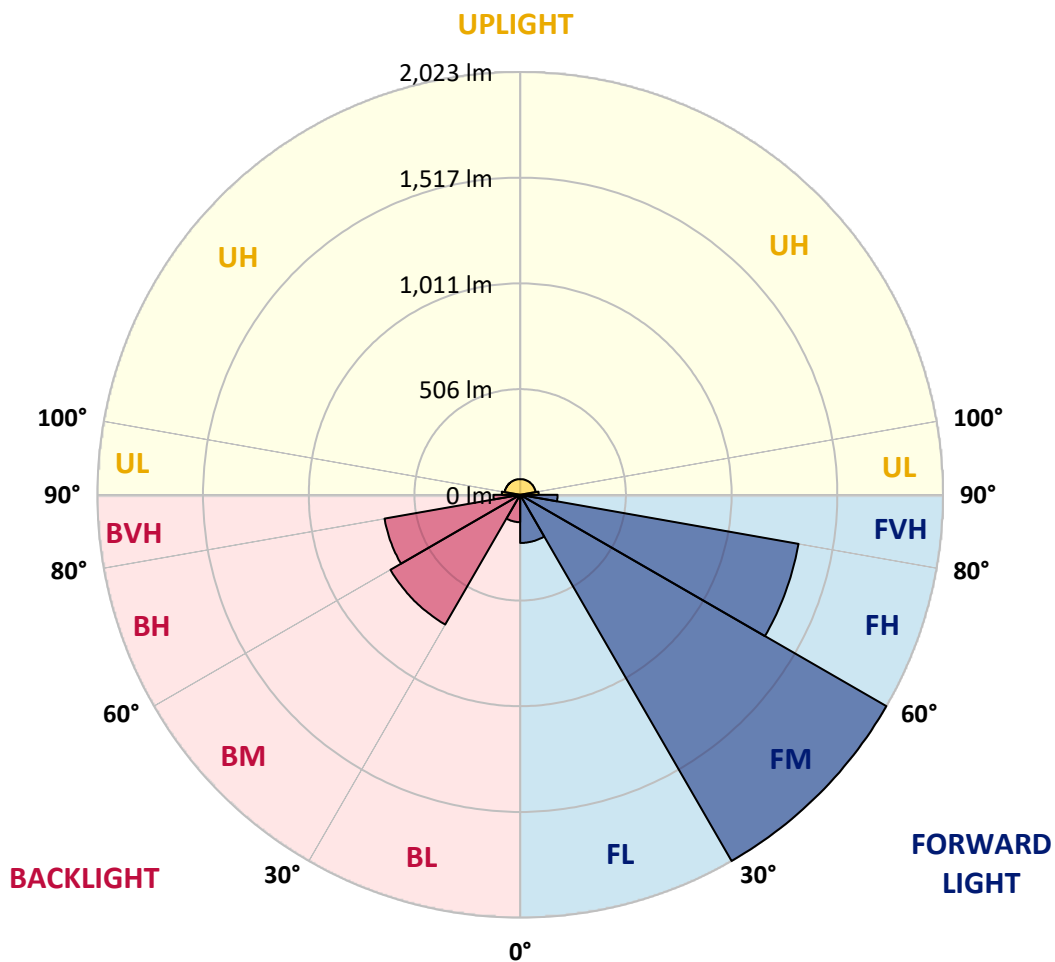
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.3	4.1			
FM	(30°-60°)	2022.6	36.4			
FH	(60°-80°)	1352.0	24.3			G1/1800
FVH	(80°-90°)	178.8	3.2			G2/225
BL	(0°-30°)	130.8	2.4	B1/500		
BM	(30°-60°)	716.3	12.9	B1/1000		
BH	(60°-80°)	658.7	11.8	B2/1000		G2/1000
BVH	(80°-90°)	127.8	2.3			G2/225
UL	(90°-100°)	88.5	1.6		U3/500	
UH	(100°-180°)	75.2	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3
2.5°	193.8	193.2	193.2	193.8	191.9	191.2	189.2	186.6	184.6	183.9	182.0
5°	215.0	213.7	212.4	213.1	211.0	207.8	204.5	200.5	197.2	195.9	192.5
7.5°	240.2	241.5	238.9	237.5	234.9	231.6	225.7	221.0	216.4	214.4	211.0
10°	279.9	280.6	275.9	276.6	268.6	264.6	258.7	250.7	245.5	242.1	237.5
12.5°	334.1	333.5	328.2	326.2	316.3	309.0	299.7	290.5	285.2	281.2	273.2
15°	400.3	399.0	395.7	387.7	372.6	363.2	352.0	338.1	330.8	325.5	316.9
17.5°	478.3	479.0	472.4	461.9	441.3	428.1	411.5	393.0	382.5	375.1	365.9
20°	575.6	576.3	564.4	549.2	522.7	504.2	476.4	459.2	442.6	438.6	424.1
22.5°	691.4	690.8	672.9	653.1	617.4	589.5	559.1	531.3	512.1	506.9	490.9
25°	823.1	821.7	799.9	778.8	725.2	688.8	649.1	614.7	595.5	584.9	567.0
27.5°	977.9	975.3	946.1	915.7	847.6	794.0	745.7	713.3	689.5	675.6	655.7
30°	1144.7	1142.0	1106.9	1057.3	983.9	922.4	858.9	821.1	794.0	783.4	756.3
32.5°	1324.6	1319.4	1278.3	1218.1	1131.5	1053.3	989.2	946.1	913.1	902.5	867.5
35°	1507.2	1500.0	1456.3	1386.2	1286.3	1200.9	1135.4	1090.5	1049.4	1035.5	993.2
37.5°	1682.7	1672.7	1638.3	1549.6	1448.4	1369.0	1295.6	1239.3	1194.3	1181.7	1126.2
40°	1821.6	1815.6	1783.8	1698.5	1601.8	1521.8	1465.6	1420.6	1363.7	1344.5	1284.9
42.5°	1927.4	1921.5	1897.0	1826.2	1740.1	1685.2	1638.3	1605.8	1556.9	1536.4	1452.4
45°	1982.4	1973.8	1963.1	1912.2	1853.3	1826.2	1820.2	1808.3	1760.7	1736.9	1639.0
47.5°	1969.8	1965.8	1975.7	1944.6	1921.5	1945.2	1996.2	2020.0	1965.1	1943.3	1840.1
50°	1890.4	1895.6	1920.8	1918.1	1940.6	2021.4	2149.7	2228.5	2194.0	2165.0	2052.4
52.5°	1757.3	1764.7	1809.6	1834.2	1899.0	2051.8	2268.8	2425.0	2428.3	2394.5	2267.5
55°	1582.7	1598.6	1653.5	1701.2	1805.7	2016.7	2339.0	2590.4	2640.0	2605.7	2470.6
57.5°	1375.6	1398.8	1458.9	1537.7	1659.4	1920.8	2352.9	2714.1	2819.4	2790.9	2661.8
60°	1159.9	1176.4	1251.2	1339.9	1461.6	1773.9	2295.3	2778.9	2960.3	2942.4	2837.2
62.5°	948.2	966.7	1043.4	1140.7	1259.8	1565.5	2158.3	2774.3	3025.8	3034.4	2941.1
64°	828.4	848.9	924.3	1016.3	1135.4	1429.9	2044.6	2722.7	3024.5	3048.3	2966.3
65°	753.6	774.2	848.2	939.6	1056.0	1335.9	1959.2	2673.1	3011.9	3031.7	2966.9
67.5°	588.9	605.4	675.6	769.5	862.8	1101.0	1688.6	2477.3	2910.0	2943.0	2905.4
70°	452.6	468.4	532.7	619.3	697.3	895.2	1394.8	2190.8	2713.5	2759.8	2741.9
72.5°	348.0	361.3	418.2	493.6	557.1	708.0	1114.2	1852.0	2429.0	2504.4	2507.7
75°	268.6	279.3	326.2	391.7	442.0	550.6	868.1	1487.4	2066.4	2166.3	2189.4
77.5°	209.7	216.4	254.1	307.7	348.7	420.8	653.1	1144.7	1667.4	1766.6	1807.7
80°	164.8	170.0	199.2	241.5	273.9	316.3	478.3	846.9	1278.3	1368.3	1407.4
82.5°	127.7	132.4	155.5	189.9	215.0	242.8	342.1	603.4	930.3	1004.4	1036.1
85°	97.3	100.6	120.4	146.2	166.7	186.6	238.9	412.2	647.7	704.0	725.9
87.5°	72.1	74.8	91.3	112.5	127.7	142.9	174.0	272.6	435.4	475.8	491.6
90°	52.3	54.2	67.5	85.3	98.6	109.9	126.3	180.7	279.9	307.0	319.0
92.5°	37.0	39.1	49.6	64.1	76.7	86.0	97.3	125.7	179.3	193.8	203.2
95°	27.1	28.4	36.4	48.3	59.5	68.1	77.4	91.3	118.5	126.3	129.7
97.5°	20.6	21.2	27.8	37.0	47.0	54.2	60.9	69.5	83.4	87.4	89.3
100°	15.9	16.6	21.8	29.8	37.7	44.3	49.0	54.2	61.6	64.1	65.5
102.5°	13.2	13.9	17.9	24.4	31.1	36.4	40.4	43.7	47.0	48.3	50.3
105°	11.9	11.9	15.9	21.2	26.5	31.1	34.4	35.7	36.4	37.0	37.7
107.5°	9.9	10.5	13.9	18.5	23.1	27.1	29.2	29.2	27.8	27.8	28.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	9.3	9.3	11.9	15.9	20.6	23.1	24.4	23.1	20.6	20.6	21.2
112.5°	8.0	8.6	10.5	13.9	17.9	20.6	20.6	18.5	15.2	15.2	15.9
115°	7.3	7.3	9.3	12.6	15.2	17.2	17.2	15.2	11.3	11.3	11.9
117.5°	6.6	6.6	8.0	10.5	13.2	15.2	14.5	11.9	8.6	8.6	9.9
120°	6.6	6.6	7.3	9.3	11.3	12.6	11.9	9.3	6.6	6.6	8.0
122.5°	5.9	5.9	6.6	8.0	9.9	10.5	9.9	7.3	5.3	5.9	6.6
125°	5.9	5.9	5.9	7.3	8.6	9.3	8.6	5.9	4.6	4.6	5.3
127.5°	5.3	5.3	5.3	5.9	7.3	8.0	6.6	4.6	4.0	4.0	4.6
130°	5.3	5.3	4.6	5.3	6.6	6.6	5.3	3.3	2.7	3.3	4.0
132.5°	4.6	4.6	4.6	4.6	5.3	5.3	4.6	2.7	2.7	2.7	3.3
135°	4.6	4.6	4.0	4.0	4.6	4.6	3.3	1.9	1.9	1.9	2.7
137.5°	4.0	4.0	4.0	3.3	3.3	3.3	2.7	1.3	1.3	1.9	1.9
140°	3.3	3.3	3.3	2.7	2.7	1.9	1.3	0.6	1.3	1.3	1.9
142.5°	2.7	2.7	2.7	1.9	1.9	1.3	0.6	0.6	0.6	1.3	1.3
145°	1.9	1.9	1.9	1.3	1.3	0.6	0.6	0.6	0.6	0.6	1.3
147.5°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
150°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3	179.3
2.5°	181.3	180.7	178.6	177.3	176.0	174.7	174.7	173.4	172.7	172.1	172.1
5°	191.9	189.2	186.0	183.3	179.9	176.7	174.0	172.1	170.7	170.0	169.4
7.5°	207.8	204.5	198.5	193.8	187.9	183.3	179.3	175.3	174.0	172.7	172.7
10°	234.3	228.3	219.6	211.0	203.2	195.2	190.6	185.3	183.9	182.6	182.6
12.5°	269.3	263.3	249.4	237.5	224.9	214.4	207.1	202.4	201.1	199.2	199.8
15°	311.0	300.4	285.2	268.0	252.1	237.5	228.9	221.7	218.3	216.4	217.1
17.5°	357.9	346.1	324.2	301.7	281.2	265.4	250.7	240.2	234.9	232.9	232.9
20°	412.2	399.0	371.2	340.7	314.3	291.7	273.2	257.4	250.7	248.2	248.2
22.5°	476.4	459.8	421.5	382.5	349.3	316.3	291.7	272.6	264.6	262.0	262.0
25°	550.6	528.7	479.7	431.4	381.8	337.5	306.4	285.8	276.6	273.2	273.2
27.5°	627.9	607.4	543.9	482.3	414.2	354.7	317.6	295.1	284.5	282.5	281.8
30°	725.9	696.7	614.7	530.6	442.0	366.5	322.2	300.4	289.8	287.9	287.9
32.5°	828.4	794.0	694.8	580.9	463.2	371.8	322.8	302.4	293.1	291.1	290.5
35°	948.8	904.5	778.2	632.6	482.3	373.9	322.2	303.7	296.5	293.8	293.1
37.5°	1079.8	1023.6	866.1	680.2	492.2	370.5	320.3	303.0	297.8	294.4	293.8
40°	1221.4	1156.5	966.7	718.5	493.6	363.9	316.3	303.7	298.4	294.4	293.1
42.5°	1379.6	1301.5	1064.0	753.6	489.6	356.0	313.6	303.7	299.1	294.4	293.1
45°	1555.6	1460.3	1165.9	780.7	479.0	346.7	311.0	303.7	299.7	293.8	293.1
47.5°	1743.5	1630.4	1270.4	801.9	465.9	337.5	309.6	305.0	301.7	294.4	293.8
50°	1940.0	1809.6	1371.7	815.8	449.9	328.9	308.3	305.0	303.0	295.1	294.4
52.5°	2151.7	1999.6	1481.4	823.1	431.4	320.3	307.0	306.4	304.3	297.1	295.7
55°	2348.9	2182.2	1579.4	823.1	412.2	312.3	305.7	307.0	306.4	299.1	297.8
57.5°	2532.8	2350.2	1665.4	813.1	391.7	304.3	303.0	306.4	307.0	300.4	299.1
60°	2691.6	2497.1	1726.2	797.3	370.5	296.5	299.7	305.0	307.0	301.1	299.7
62.5°	2798.8	2599.0	1746.8	763.5	348.0	287.9	293.8	301.1	305.0	299.7	298.4
64°	2831.9	2624.8	1742.2	738.4	334.1	282.5	289.8	298.4	302.4	298.4	297.1
65°	2841.1	2628.8	1725.6	717.2	325.5	278.5	286.5	295.7	300.4	296.5	295.1
67.5°	2785.6	2559.9	1644.2	654.4	305.0	268.0	277.2	286.5	292.5	290.5	289.2
70°	2644.0	2414.4	1509.9	585.5	283.9	255.4	264.6	274.6	281.8	280.6	279.9
72.5°	2410.5	2184.8	1340.6	504.8	262.7	241.5	248.2	259.4	266.7	266.0	264.6
75°	2101.4	1882.4	1107.7	431.4	239.5	223.6	230.3	240.2	247.5	246.1	246.1
77.5°	1740.1	1530.4	889.3	356.6	218.3	204.5	210.4	218.3	224.9	223.0	222.3
80°	1355.7	1177.7	679.5	290.5	195.9	183.9	187.9	193.8	199.8	197.2	196.5
82.5°	996.5	861.5	500.8	232.9	173.4	160.8	164.1	169.4	172.7	170.0	169.4
85°	698.7	602.1	362.6	185.3	148.8	138.3	138.9	141.6	144.2	140.2	139.6
87.5°	471.1	403.7	251.4	146.9	125.7	116.4	115.8	117.1	119.1	115.1	113.1
90°	309.0	263.3	172.1	119.1	105.2	97.3	96.0	96.0	96.6	92.0	90.6
92.5°	195.9	170.7	125.0	97.3	88.0	80.7	78.8	78.1	77.4	72.7	72.1
95°	127.7	117.1	96.0	80.7	72.7	66.8	64.9	63.5	62.2	58.9	57.6
97.5°	90.0	84.7	76.1	66.8	60.9	55.5	53.6	51.7	50.3	46.3	45.6
100°	67.5	65.5	61.6	55.5	50.9	46.3	44.3	42.4	41.0	37.0	36.4
102.5°	52.3	52.3	50.3	46.3	42.4	38.4	37.0	35.1	33.0	30.5	29.8
105°	40.4	40.4	41.0	39.1	35.7	33.0	31.1	29.8	27.8	24.4	24.4
107.5°	30.5	31.7	33.0	32.4	30.5	27.8	26.5	25.2	22.5	20.6	20.6



REPORT NUMBER: P255285

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.1	23.8	26.5	27.1	25.8	23.8	22.5	20.6	18.5	16.6	16.6
112.5°	17.2	18.5	21.2	22.5	21.8	20.6	19.2	17.2	14.5	13.9	13.9
115°	13.2	14.5	17.2	18.5	18.5	17.2	15.9	13.9	11.9	11.3	11.9
117.5°	10.5	11.9	13.9	15.2	15.2	13.9	13.2	11.3	9.9	9.9	9.9
120°	8.6	9.9	11.3	12.6	12.6	11.9	10.5	9.3	8.0	8.6	8.6
122.5°	7.3	8.0	9.3	9.9	10.5	9.9	8.6	7.3	6.6	7.3	7.3
125°	5.9	6.6	8.0	8.0	8.6	8.0	7.3	5.9	5.3	5.9	5.9
127.5°	5.3	5.9	6.6	6.6	7.3	6.6	5.9	4.6	4.6	5.3	5.3
130°	4.0	4.6	5.3	5.3	5.9	5.3	4.6	4.0	4.0	4.6	4.6
132.5°	3.3	4.0	4.0	4.6	4.6	4.6	4.0	2.7	3.3	3.3	3.3
135°	3.3	3.3	4.0	3.3	3.3	3.3	2.7	1.9	2.7	2.7	2.7
137.5°	2.7	2.7	3.3	3.3	2.7	2.7	1.9	1.3	1.9	2.7	2.7
140°	1.9	2.7	2.7	2.7	2.7	1.9	1.3	0.6	1.3	1.3	1.3
142.5°	1.9	1.9	2.7	2.7	1.9	1.3	0.6	0.0	0.6	0.6	0.6
145°	1.3	1.9	1.9	1.9	1.3	1.3	0.6	0.0	0.0	0.6	0.0
147.5°	1.3	1.3	1.9	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0
150°	0.6	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.6	0.6	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)