

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: P254960

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-FL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254960  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-40-D-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4056 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

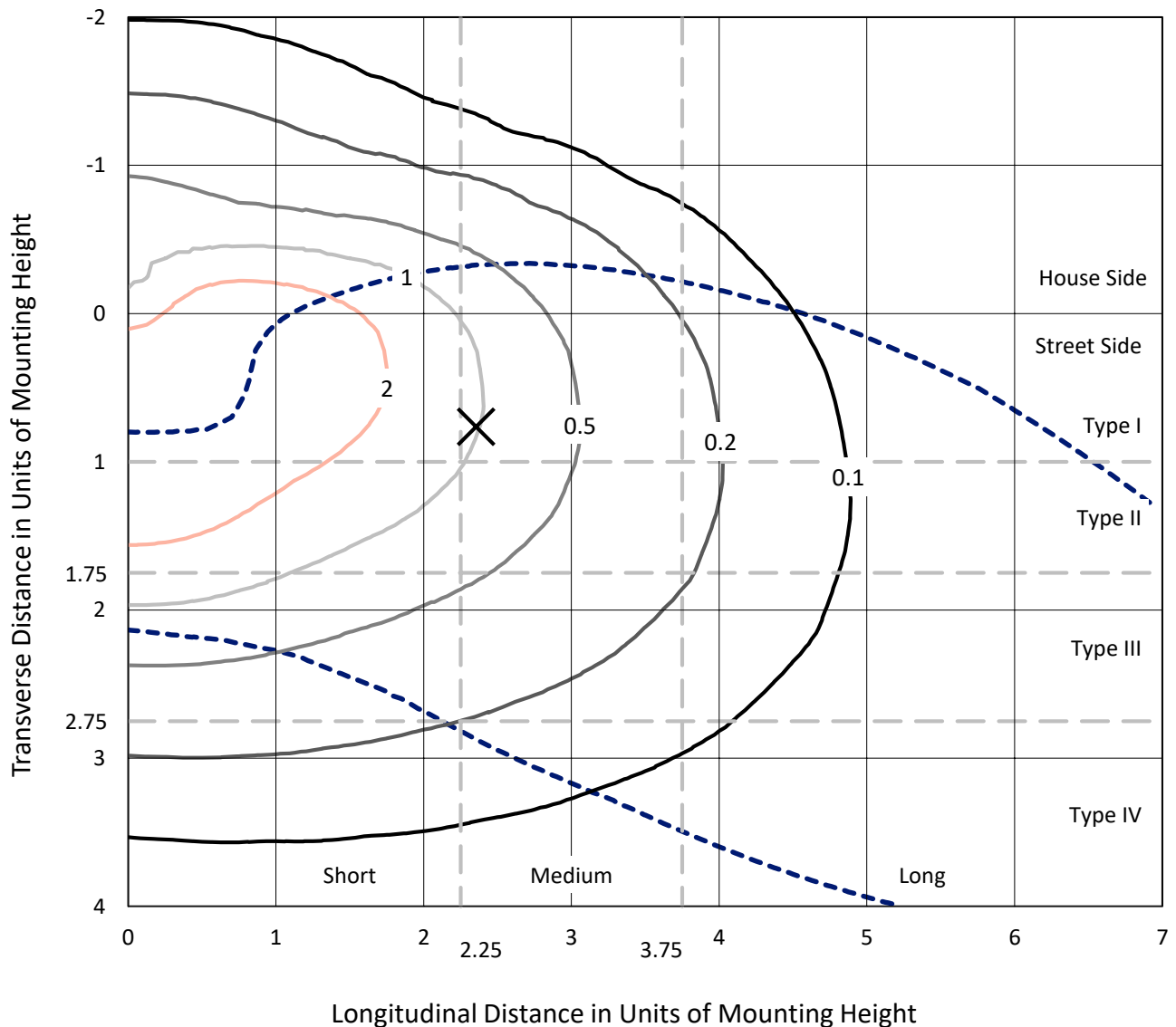
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

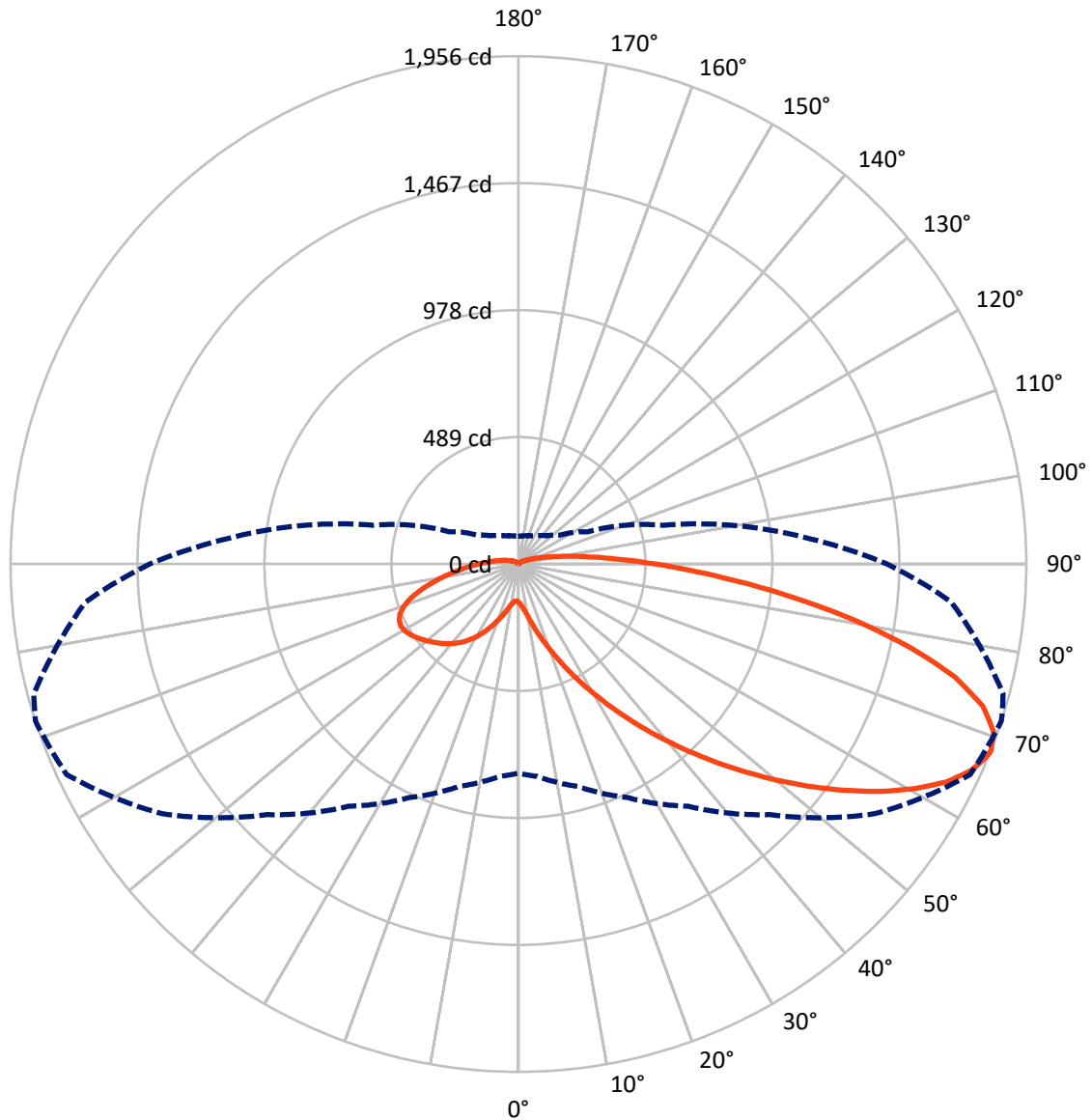
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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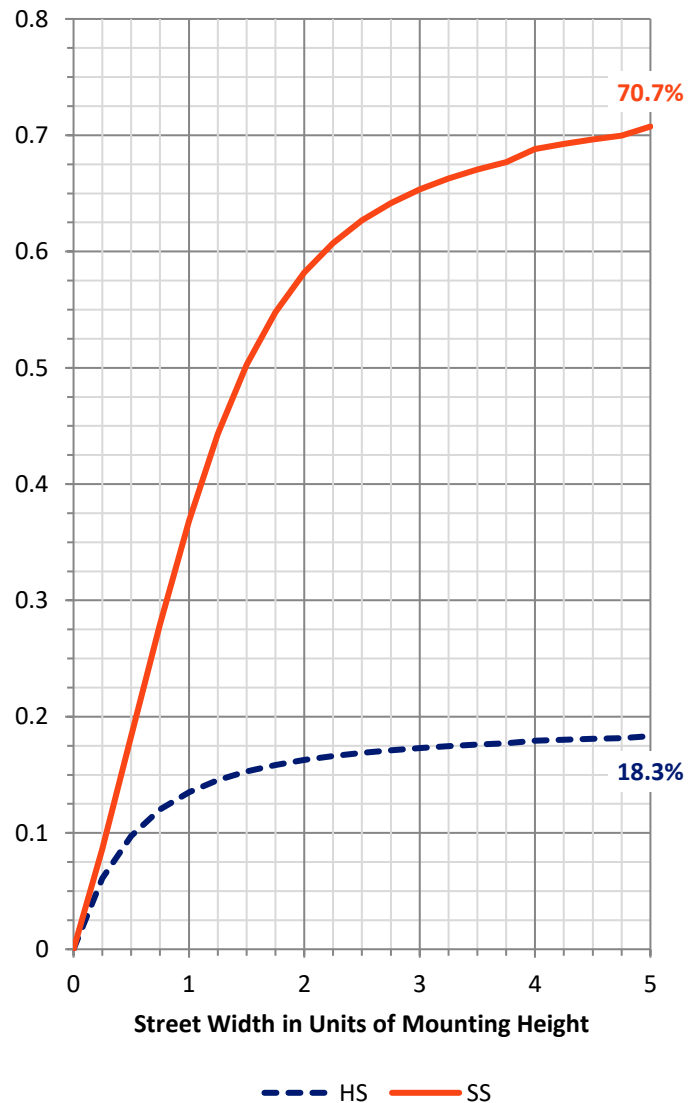
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	779.5	92.8	872.3
	% Fixture	19.2	2.3	21.5
<b>Street Side</b>	Lumens	2992.2	191.4	3183.7
	% Fixture	73.8	4.7	78.5
<b>Total</b>	Lumens	3771.8	284.2	4056.0
	% Fixture	93.0	7.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	0.4
10°-20°	64.4	1.6
20°-30°	159.3	3.9
30°-40°	311.6	7.7
40°-50°	519.2	12.8
50°-60°	739.6	18.2
60°-70°	856.9	21.1
70°-80°	715.6	17.6
80°-90°	389.6	9.6
90°-100°	163.5	4.0
100°-110°	68.1	1.7
110°-120°	30.7	0.8
120°-130°	14.3	0.4
130°-140°	6.0	0.1
140°-150°	1.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3771.8	93.0
0°-180°	4056.0	100.0



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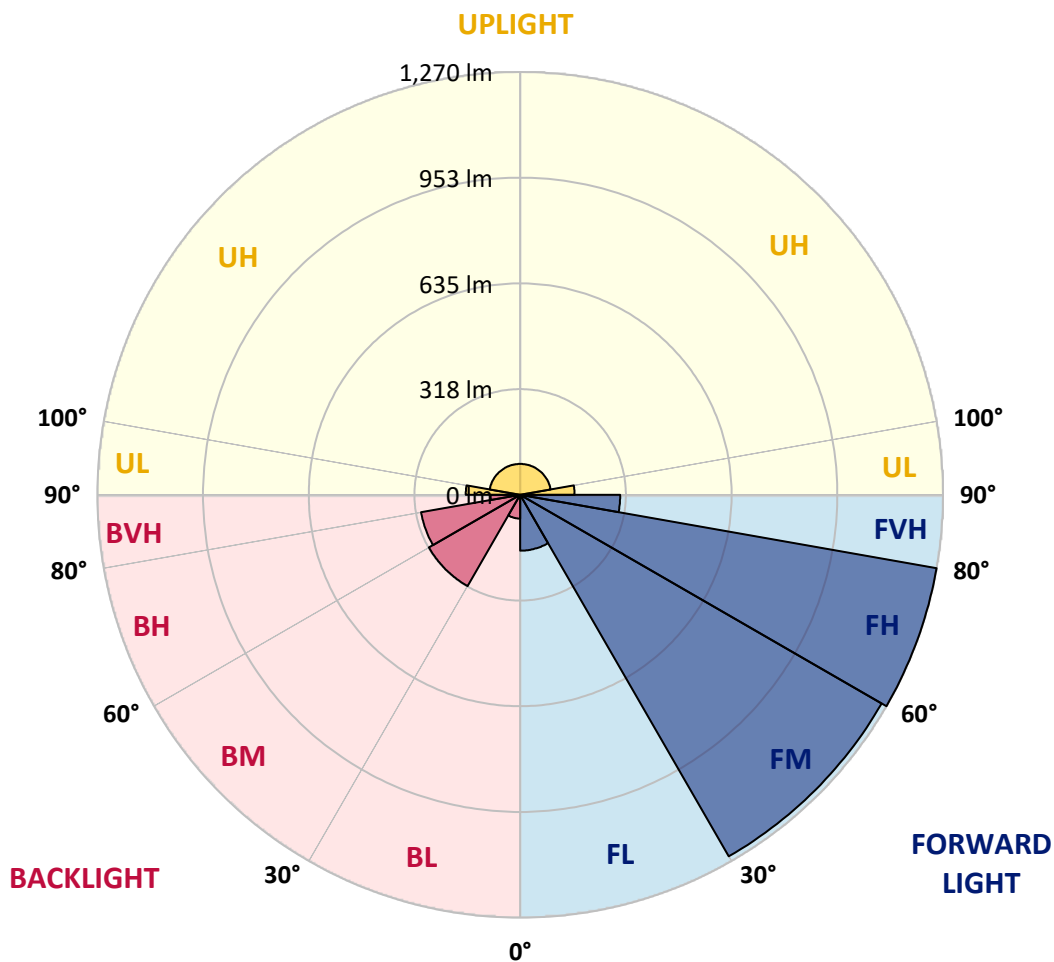
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.8	4.1			
FM	(30°-60°)	1253.9	30.9			
FH	(60°-80°)	1270.2	31.3			G1/1800
FVH	(80°-90°)	300.3	7.4			G3/500
BL	(0°-30°)	71.4	1.8	B0/110		
BM	(30°-60°)	316.6	7.8	B1/1000		
BH	(60°-80°)	302.3	7.5	B1/500		G1/500
BVH	(80°-90°)	89.2	2.2			G1/100
UL	(90°-100°)	163.5	4.0		U3/500	
UH	(100°-180°)	92.8	2.3		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2
2.5°	168.8	168.8	169.3	167.8	166.2	164.7	161.1	158.0	155.4	153.9	150.8
5°	191.9	192.4	191.4	189.8	187.2	183.6	178.5	172.4	167.3	166.2	159.1
7.5°	219.0	219.0	218.0	215.4	212.4	207.2	199.6	191.4	184.1	182.6	171.9
10°	250.3	250.3	249.8	245.7	241.1	235.0	225.8	217.0	207.2	204.2	189.8
12.5°	287.2	286.7	285.2	280.1	274.5	266.8	256.5	245.7	236.5	232.9	215.4
15°	327.2	327.2	325.2	318.5	311.9	302.7	293.4	284.2	272.4	268.3	246.2
17.5°	371.4	370.9	366.8	360.6	351.4	344.2	335.5	324.7	311.9	306.8	281.1
20°	421.1	419.6	414.0	405.8	397.5	388.3	379.6	364.8	353.9	350.9	321.1
22.5°	477.6	475.1	467.9	456.5	446.8	435.6	426.3	413.5	403.8	398.0	368.9
25°	540.7	539.7	530.9	512.5	498.6	485.8	476.6	470.5	461.7	453.5	419.6
27.5°	609.5	606.9	592.5	574.1	552.5	538.2	529.4	524.8	519.7	515.1	475.6
30°	683.3	681.8	662.8	639.7	611.0	592.5	586.4	586.9	585.8	581.2	537.7
32.5°	763.3	762.3	738.7	709.4	673.5	649.0	647.4	655.1	656.6	653.6	604.3
35°	849.0	847.9	820.8	784.4	739.2	710.5	712.6	727.4	734.1	731.5	675.6
37.5°	936.2	935.2	906.9	862.3	806.9	774.1	780.3	804.9	817.7	815.7	751.6
40°	1032.2	1023.0	993.7	940.3	877.2	840.8	854.7	887.5	906.4	899.3	831.0
42.5°	1115.2	1108.6	1076.8	1017.2	948.5	915.1	932.1	975.2	1000.9	998.8	916.2
45°	1188.6	1185.5	1154.2	1090.6	1019.8	986.4	1013.6	1069.1	1100.9	1095.3	1006.0
47.5°	1254.8	1249.6	1220.9	1156.8	1085.5	1061.4	1098.3	1165.6	1205.0	1201.5	1098.9
50°	1299.5	1297.3	1272.2	1211.2	1146.5	1126.0	1187.0	1270.2	1314.8	1310.7	1195.2
52.5°	1319.9	1319.4	1302.5	1251.2	1198.9	1202.0	1277.4	1377.4	1426.6	1425.1	1295.3
55°	1313.3	1312.8	1306.6	1272.8	1239.9	1265.1	1367.6	1486.7	1540.0	1538.9	1392.2
57.5°	1273.8	1275.8	1284.0	1271.7	1267.1	1323.0	1454.8	1593.3	1651.9	1648.8	1487.2
60°	1198.4	1203.0	1229.1	1244.5	1274.8	1364.0	1535.3	1698.5	1756.0	1750.9	1573.3
62.5°	1094.8	1105.5	1144.5	1191.1	1259.4	1391.7	1607.2	1791.9	1848.8	1838.0	1633.3
65°	971.1	983.4	1036.2	1113.2	1220.9	1395.8	1658.5	1868.3	1917.5	1903.7	1674.9
67.5°	833.6	849.0	913.1	1014.2	1155.7	1373.8	1676.9	1915.5	1954.4	1932.5	1679.0
68°	805.4	820.8	887.0	992.2	1138.9	1365.0	1676.4	1919.6	1956.0	1932.5	1672.8
70°	695.6	712.1	784.4	900.8	1071.6	1321.4	1656.5	1915.0	1942.2	1913.4	1631.8
72.5°	570.4	586.9	659.7	783.4	968.5	1231.7	1586.2	1857.6	1870.4	1836.5	1532.8
75°	458.1	475.1	545.3	669.9	856.7	1124.9	1469.7	1737.5	1734.9	1695.4	1383.5
77.5°	362.6	378.1	444.8	562.7	741.7	994.7	1319.9	1558.5	1541.5	1500.0	1193.7
80°	285.2	299.1	359.6	467.9	631.0	858.3	1140.9	1340.5	1312.2	1269.7	989.6
82.5°	222.6	235.5	288.8	384.7	528.9	725.4	948.5	1110.1	1071.1	1032.2	793.6
85°	173.9	184.1	231.4	313.9	437.1	599.7	780.3	886.5	845.4	811.5	618.7
87.5°	136.0	144.6	184.6	254.9	360.6	487.3	622.3	690.5	652.0	624.3	474.5
90°	106.7	112.8	148.7	206.7	290.8	392.9	488.9	529.9	495.5	474.0	362.1
92.5°	84.6	89.3	118.5	167.8	234.5	311.9	378.6	401.7	373.0	357.0	275.0
95°	67.7	71.3	96.0	137.0	190.9	246.7	291.3	303.2	280.6	268.3	208.8
97.5°	55.4	58.0	79.0	111.3	152.8	196.0	225.8	230.4	211.9	202.6	159.6
100°	46.1	47.7	65.2	92.4	124.2	156.0	175.9	176.5	161.1	153.3	121.6
102.5°	39.0	40.0	54.4	76.9	102.6	125.2	138.5	136.0	122.1	115.9	93.4
105°	33.3	34.4	45.6	64.7	85.6	101.6	109.3	105.2	93.4	88.8	72.3
107.5°	29.3	29.8	38.5	54.4	71.8	83.6	88.3	82.6	72.3	68.2	57.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	25.7	26.2	32.8	46.6	60.6	70.3	71.8	65.2	56.5	53.4	45.6
112.5°	22.6	23.1	28.7	39.5	51.8	59.0	59.5	52.4	44.6	42.0	36.9
115°	20.6	21.1	25.2	33.9	44.1	49.7	49.2	42.0	35.4	33.3	30.3
117.5°	19.0	19.5	22.6	29.3	38.0	42.0	41.0	34.4	28.7	27.2	25.7
120°	17.5	18.0	20.0	25.2	32.3	35.9	33.9	27.7	23.6	22.6	21.6
122.5°	16.4	16.4	18.0	22.1	27.7	30.3	28.2	23.1	19.5	18.5	18.5
125°	14.8	15.3	16.4	19.0	23.6	25.7	23.6	19.0	15.9	15.9	15.9
127.5°	14.3	14.3	14.8	16.9	20.0	21.6	19.5	15.3	13.3	13.3	13.8
130°	13.3	13.3	13.3	14.8	16.9	17.5	15.3	12.3	11.3	11.3	11.8
132.5°	12.3	12.3	12.3	12.8	13.8	13.8	12.3	10.2	9.7	9.7	10.2
135°	11.3	11.3	10.7	10.7	11.3	10.7	9.7	8.2	7.7	8.2	8.7
137.5°	9.7	9.7	9.7	9.2	8.7	8.2	6.6	6.1	6.1	6.6	7.2
140°	8.2	8.2	8.2	7.2	6.6	5.6	4.6	4.1	4.6	5.1	5.6
142.5°	6.6	6.6	6.6	5.6	4.6	3.6	2.6	2.6	3.1	3.6	4.1
145°	5.1	5.1	5.1	4.1	3.1	2.0	1.5	2.0	2.6	2.6	3.1
147.5°	3.6	3.6	3.6	2.6	1.5	0.5	0.5	1.5	2.0	2.0	2.6
150°	2.0	2.0	2.0	1.0	0.5	0.0	0.0	1.0	1.5	1.5	2.0
152.5°	0.5	0.5	1.0	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.5
155°	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2
2.5°	148.7	147.2	143.6	140.0	137.0	134.4	132.4	131.3	130.3	129.8	128.8
5°	155.4	151.8	144.6	138.0	131.9	126.7	121.6	118.5	116.4	114.9	114.4
7.5°	166.7	161.1	150.3	140.0	130.3	121.0	114.9	110.8	107.2	105.2	104.6
10°	183.1	175.9	160.1	145.2	131.9	120.0	111.3	105.2	101.1	99.0	99.0
12.5°	206.7	196.0	174.9	154.4	136.0	121.0	110.3	104.6	101.6	100.0	100.0
15°	236.0	221.6	194.5	167.8	144.1	125.7	114.9	108.7	105.7	104.1	104.1
17.5°	268.3	249.8	215.9	182.1	152.3	133.9	120.0	112.8	109.3	107.7	107.7
20°	305.2	284.2	239.1	196.5	163.2	141.6	125.7	116.4	112.8	111.8	111.3
22.5°	347.3	320.1	264.2	211.3	173.9	147.7	130.3	119.5	116.4	115.4	115.4
25°	393.9	361.1	291.3	227.3	182.6	152.3	133.9	123.2	119.5	119.0	118.5
27.5°	443.2	404.8	318.5	242.6	189.2	154.9	136.0	126.2	122.1	122.1	121.6
30°	500.6	450.4	344.7	255.4	193.4	156.0	136.5	127.8	124.2	124.7	125.2
32.5°	558.1	498.6	370.9	266.8	196.5	156.5	136.5	128.3	124.7	126.2	126.2
35°	619.2	548.4	396.0	276.0	198.0	156.0	136.5	129.3	125.2	126.7	127.3
37.5°	683.3	599.1	420.1	283.2	199.1	155.4	136.5	129.3	125.7	127.3	127.3
40°	749.0	650.0	443.2	288.3	199.1	154.9	136.0	129.3	126.7	126.7	127.3
42.5°	819.8	702.8	464.2	292.4	199.1	153.9	136.0	129.3	125.7	126.2	126.7
45°	894.7	757.2	484.3	295.5	198.6	153.9	135.4	128.8	125.2	124.7	125.2
47.5°	968.0	813.6	503.8	298.6	198.0	154.4	135.4	128.3	124.2	122.1	122.7
50°	1049.0	872.1	523.8	300.6	198.6	154.4	136.0	127.8	122.7	120.0	120.5
52.5°	1129.1	930.6	543.3	303.2	198.6	154.9	136.0	126.7	121.0	117.4	117.9
55°	1213.7	988.6	562.2	305.8	199.1	155.4	136.5	125.7	119.5	115.4	115.9
57.5°	1287.6	1043.9	579.2	307.3	199.1	156.5	136.5	125.2	117.9	113.3	113.3
60°	1355.3	1095.3	593.0	307.8	199.1	156.5	136.5	124.2	116.9	111.3	111.3
62.5°	1406.7	1129.6	599.7	306.8	198.0	156.5	136.0	123.2	115.9	109.8	109.8
65°	1432.7	1144.5	596.6	303.2	197.0	156.0	135.4	121.6	114.4	108.7	108.2
67.5°	1426.1	1133.2	581.8	296.0	194.5	154.4	133.9	119.5	113.3	107.7	106.7
68°	1419.4	1124.4	577.1	293.9	192.9	153.9	133.4	119.5	112.8	107.7	106.7
70°	1374.3	1087.0	553.0	285.2	190.3	151.8	131.9	117.4	111.3	106.7	105.7
72.5°	1278.9	1006.0	512.5	270.4	184.1	148.2	128.3	114.9	109.3	105.2	103.6
75°	1141.9	897.7	461.7	252.9	176.5	143.6	123.7	111.3	106.2	102.6	101.1
77.5°	985.9	770.5	405.8	231.9	167.3	138.0	118.5	107.2	102.6	99.5	97.0
80°	815.7	639.7	349.3	209.8	157.0	130.8	112.8	102.1	98.0	94.4	92.4
82.5°	654.1	518.1	296.0	188.7	144.6	121.6	106.2	96.0	91.9	88.8	86.1
85°	512.5	413.0	247.8	167.3	133.4	113.3	99.0	89.3	85.6	82.0	79.5
87.5°	397.0	324.7	207.8	147.2	120.5	104.1	91.9	82.6	78.5	74.4	72.3
90°	306.8	255.4	171.9	128.3	109.3	95.4	84.1	75.4	70.8	67.2	65.2
92.5°	236.5	201.6	142.6	112.3	97.5	86.1	76.4	68.7	63.6	59.0	57.5
95°	183.1	159.6	118.5	97.5	86.7	77.4	69.3	61.6	56.0	51.2	49.7
97.5°	142.6	126.2	98.5	84.1	76.4	68.7	61.6	54.9	49.2	43.6	42.6
100°	110.3	100.0	82.6	72.8	67.2	60.6	54.4	48.7	42.0	36.9	36.4
102.5°	86.7	80.0	69.3	63.1	58.5	53.4	48.2	42.6	35.9	30.8	30.3
105°	68.7	64.7	58.0	53.9	50.7	46.6	42.6	36.9	29.8	25.7	25.7
107.5°	54.9	52.4	48.7	46.1	44.1	40.5	36.9	31.3	24.7	21.1	21.6



REPORT NUMBER: P254960

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	44.6	43.1	41.0	40.0	38.5	35.4	31.8	26.7	20.6	17.5	18.0
112.5°	36.4	35.9	34.9	34.4	33.3	30.8	27.2	22.1	16.4	14.8	14.8
115°	30.3	29.8	29.8	29.3	28.7	26.7	23.1	18.5	13.3	12.3	12.3
117.5°	25.7	25.7	25.2	25.2	24.7	22.6	19.5	15.3	10.7	10.2	10.2
120°	21.6	21.6	21.6	21.6	21.1	19.0	16.4	12.3	8.7	8.7	8.7
122.5°	18.5	19.0	18.5	18.5	18.0	16.4	13.3	9.7	7.2	7.2	7.7
125°	15.9	15.9	15.9	15.3	14.8	13.3	10.7	7.7	6.1	6.1	6.1
127.5°	13.8	13.8	13.8	13.3	12.3	11.3	8.7	6.1	5.1	5.1	5.1
130°	12.3	11.8	11.8	11.3	10.2	8.7	6.6	4.6	4.1	4.1	4.1
132.5°	10.2	10.2	9.7	9.2	8.2	6.6	5.1	3.1	3.1	3.6	3.6
135°	8.7	8.7	8.2	7.2	6.1	5.1	3.6	2.6	2.6	2.6	2.6
137.5°	7.2	7.2	6.6	5.6	4.6	3.1	2.0	1.5	1.5	2.0	2.0
140°	5.6	5.6	5.1	4.1	3.1	2.0	1.0	0.5	1.0	1.0	1.0
142.5°	4.1	4.1	3.6	2.6	1.5	1.0	0.0	0.5	0.5	0.5	0.5
145°	3.1	3.1	2.6	2.0	1.0	0.5	0.0	0.0	0.5	0.0	0.0
147.5°	2.6	2.6	2.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	1.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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)