

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: P266108

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T4W-FL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266108  
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-AF24-50-D-U-T4W-FL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 670mA 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: 4608 lumens  
Efficiency: N/A  
Efficacy: 85.3 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: B1 - U3 - G3

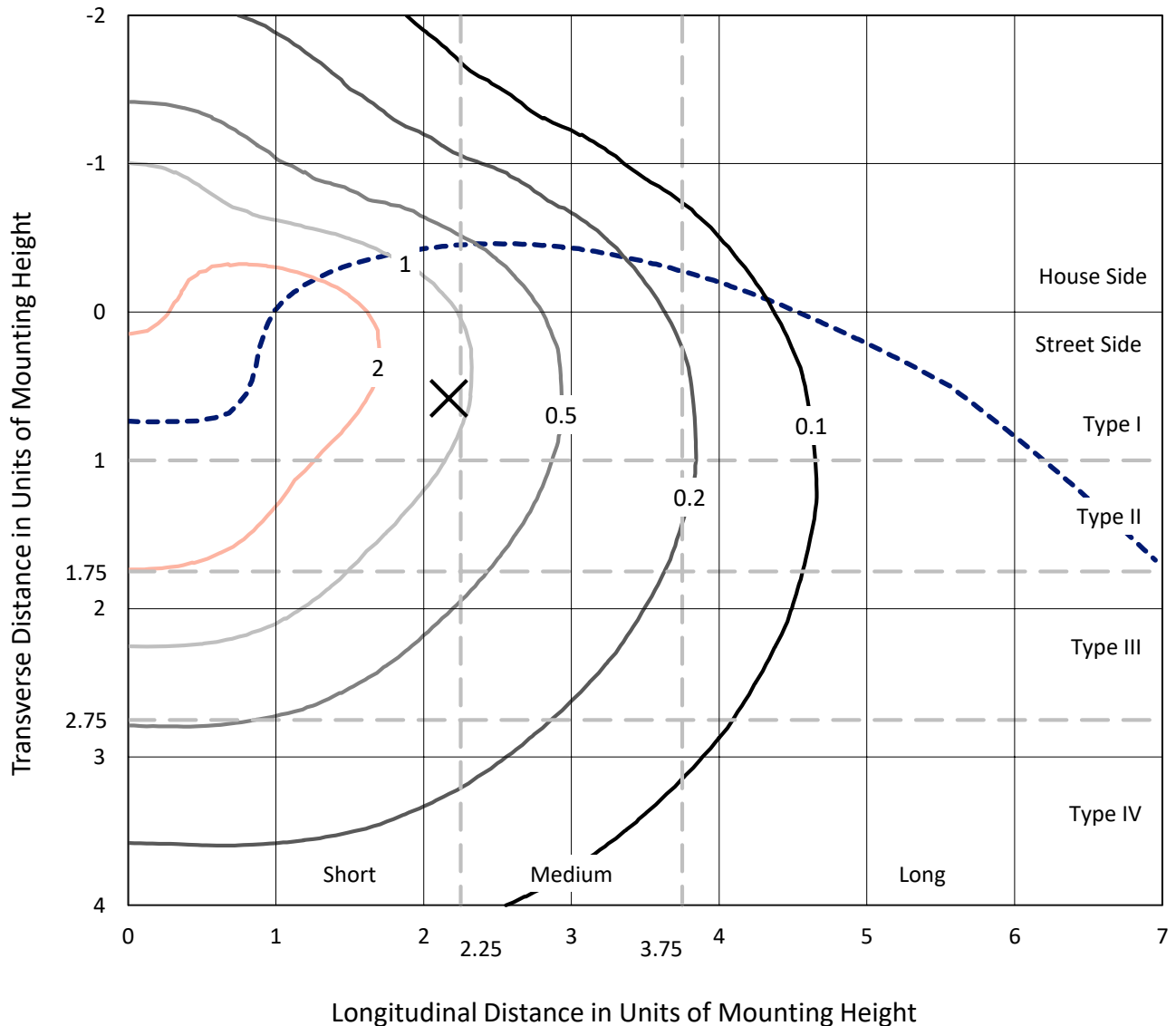
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

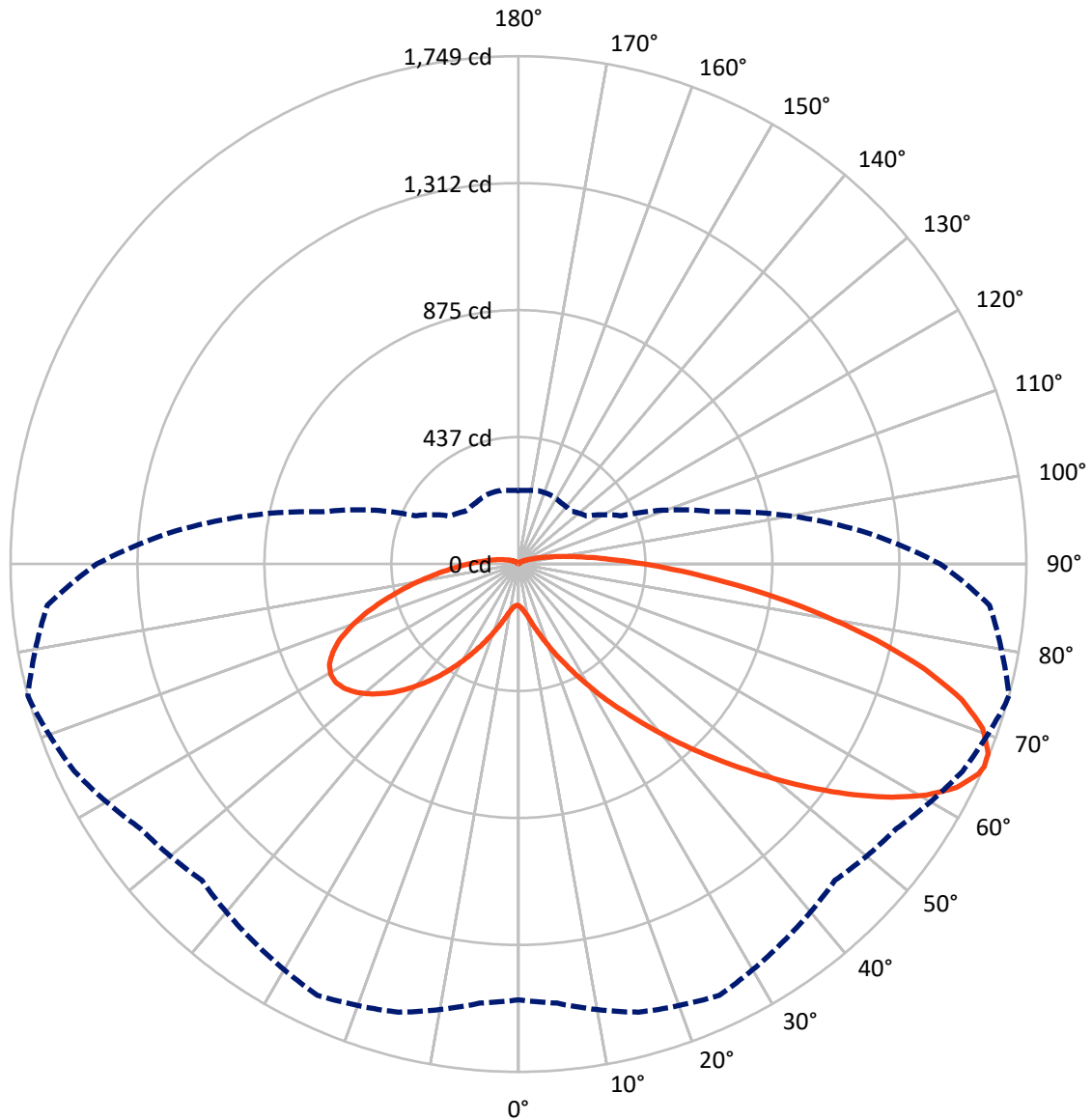


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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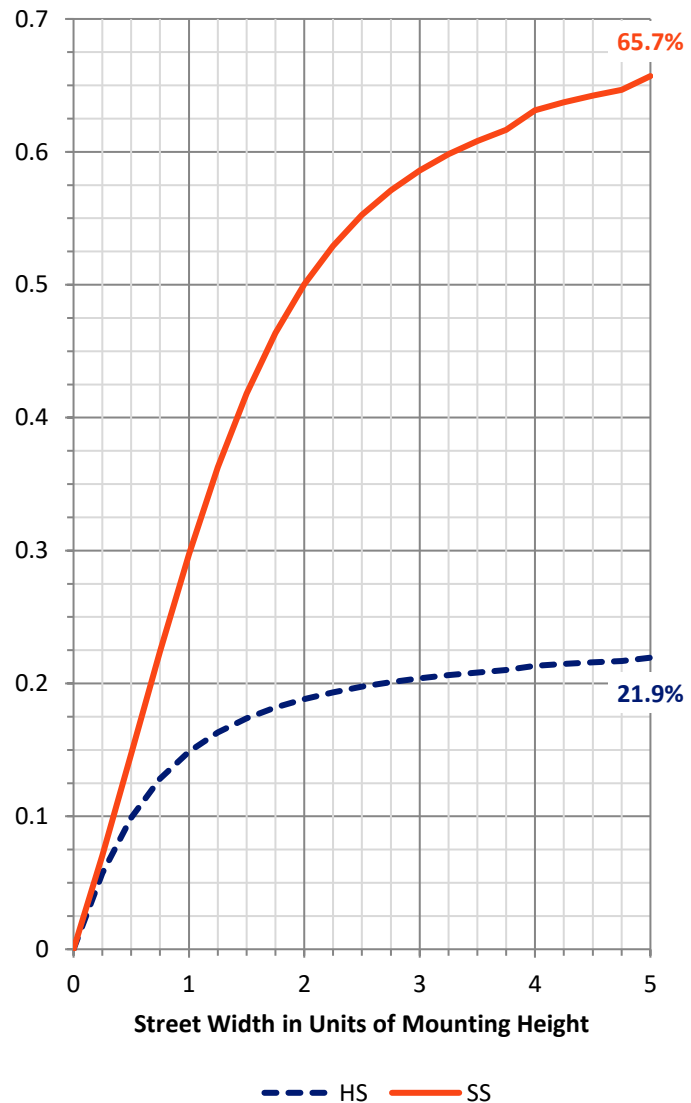
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1067.8	115.1	1182.9
	% Fixture	23.2	2.5	25.7
<b>Street Side</b>	Lumens	3201.9	223.2	3425.1
	% Fixture	69.5	4.8	74.3
<b>Total</b>	Lumens	4269.7	338.3	4608.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.2	0.3
10°-20°	63.8	1.4
20°-30°	161.5	3.5
30°-40°	323.0	7.0
40°-50°	549.2	11.9
50°-60°	817.3	17.7
60°-70°	1003.5	21.8
70°-80°	863.0	18.7
80°-90°	473.1	10.3
90°-100°	197.4	4.3
100°-110°	80.7	1.8
110°-120°	35.5	0.8
120°-130°	16.2	0.4
130°-140°	6.7	0.1
140°-150°	1.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4269.7	92.7
0°-180°	4608.0	100.0

**Coefficient of Utilization**



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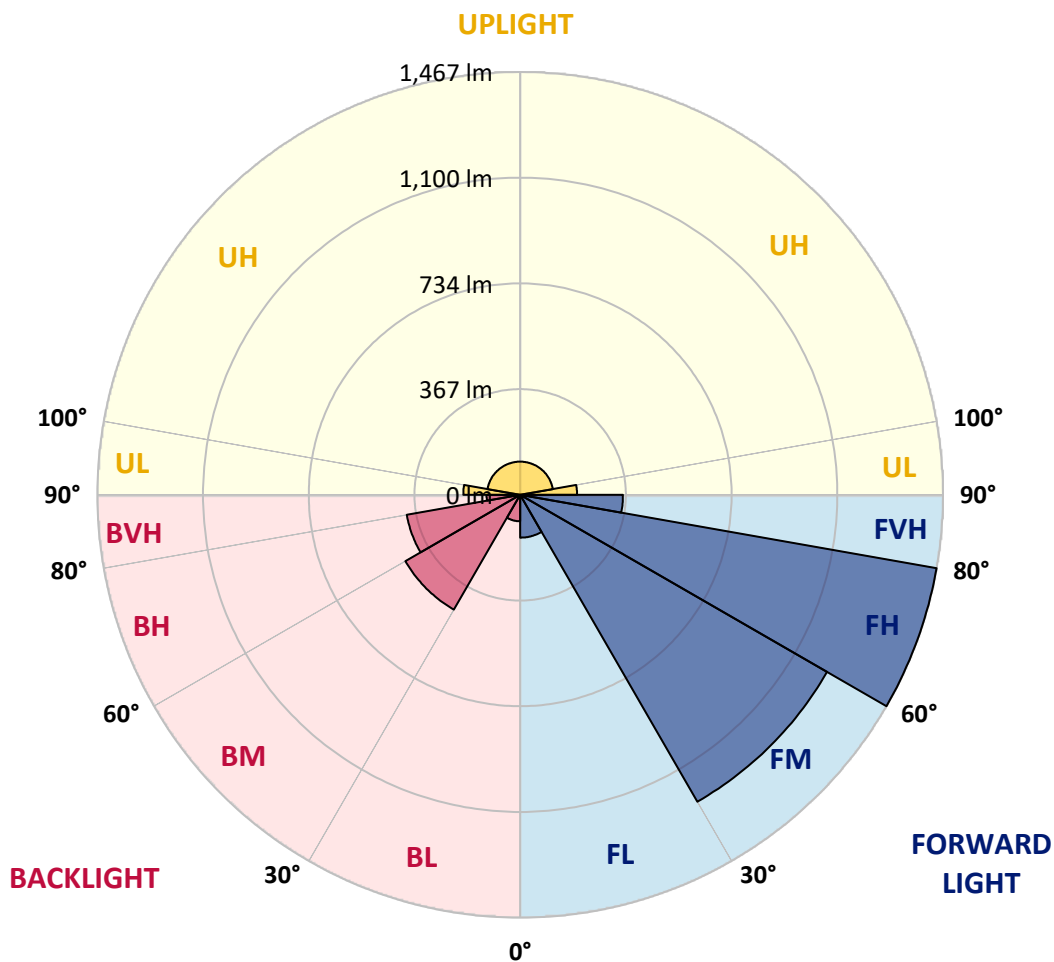
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-FL-7027

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.6	3.2			
FM (30°-60°)	1229.6	26.7			
FH (60°-80°)	1467.2	31.8			G1/1800
FVH (80°-90°)	356.5	7.7			G3/500
BL (0°-30°)	91.9	2.0	B0/110		
BM (30°-60°)	460.0	10.0	B1/1000		
BH (60°-80°)	399.4	8.7	B1/500		G1/500
BVH (80°-90°)	116.6	2.5			G2/225
UL (90°-100°)	197.4	4.3		U3/500	
UH (100°-180°)	115.1	2.5		U3/500	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
2.5°	158.5	158.5	157.9	157.9	156.2	154.5	153.4	150.6	148.8	148.8	146.7
5°	175.3	175.3	174.7	173.6	171.3	168.6	165.2	161.2	157.9	157.4	153.4
7.5°	196.1	196.1	195.0	192.7	189.4	185.4	180.9	175.3	170.3	169.2	163.5
10°	221.9	221.9	220.3	216.9	212.4	207.4	201.2	193.2	186.6	185.9	178.1
12.5°	254.5	252.9	251.7	246.1	239.9	233.2	225.8	216.3	209.6	209.6	199.0
15°	291.6	291.6	287.2	279.8	271.9	262.9	255.1	245.5	237.7	237.2	224.8
17.5°	332.6	332.2	327.1	318.0	307.4	298.3	288.3	277.5	268.7	268.7	254.0
20°	379.9	378.7	372.0	360.2	347.3	337.1	325.9	313.6	303.9	303.9	287.6
22.5°	433.8	431.5	423.1	406.8	393.8	379.3	366.4	354.0	344.0	344.9	326.4
25°	494.4	491.6	481.0	460.2	441.6	424.2	411.3	398.4	391.1	388.2	373.1
27.5°	563.1	557.4	545.6	519.2	492.8	471.4	458.0	448.4	441.6	439.5	422.1
30°	638.3	632.6	616.3	583.3	548.4	521.5	508.5	501.3	497.8	495.1	477.5
32.5°	724.4	718.1	695.6	654.1	609.1	575.4	563.1	559.6	559.6	557.4	540.1
35°	817.5	809.7	782.8	730.5	673.6	633.2	621.4	623.2	623.8	622.0	607.4
37.5°	917.0	908.5	876.6	814.3	743.3	695.1	683.3	691.2	702.4	696.1	681.0
40°	1019.2	1011.4	977.1	901.3	816.5	759.6	747.8	763.6	781.6	776.6	759.6
42.5°	1121.1	1117.6	1074.4	993.4	894.5	827.7	819.3	843.4	868.1	864.8	846.3
45°	1231.7	1221.5	1179.5	1088.9	978.3	906.4	896.8	929.3	963.2	959.7	941.2
47.5°	1331.2	1321.5	1281.7	1185.7	1062.5	984.5	978.3	1022.1	1064.9	1060.9	1042.4
50°	1414.9	1413.8	1380.1	1280.5	1151.4	1065.8	1065.4	1120.5	1172.6	1171.6	1147.9
52.5°	1495.1	1493.5	1462.6	1372.7	1240.1	1147.9	1152.4	1224.4	1286.7	1286.7	1255.3
55°	1557.0	1556.5	1538.4	1460.4	1327.8	1239.0	1251.9	1331.2	1402.6	1402.6	1371.1
57.5°	1600.3	1599.7	1597.5	1538.0	1412.0	1325.4	1345.8	1436.2	1513.7	1515.5	1473.8
60°	1610.4	1615.5	1638.0	1600.3	1487.4	1404.2	1431.7	1532.9	1612.6	1615.5	1558.6
62.5°	1592.4	1600.3	1645.9	1638.0	1544.6	1474.9	1509.3	1613.3	1690.3	1694.7	1616.6
65°	1532.9	1549.1	1618.8	1644.6	1580.7	1526.7	1572.3	1671.7	1735.7	1742.0	1635.2
66°	1500.9	1518.2	1598.1	1638.5	1588.6	1541.3	1589.0	1687.9	1745.2	1749.2	1628.9
67.5°	1440.2	1457.6	1552.0	1614.3	1588.6	1555.3	1603.1	1699.2	1743.6	1745.2	1607.1
70°	1309.8	1336.8	1442.4	1539.1	1556.0	1548.0	1602.5	1682.3	1702.6	1697.0	1523.3
72.5°	1166.4	1181.7	1297.4	1428.9	1485.6	1500.9	1563.2	1618.8	1605.5	1596.9	1397.5
75°	978.3	1000.3	1126.7	1276.6	1363.2	1409.8	1476.6	1496.3	1462.6	1444.7	1231.7
77.5°	817.0	826.0	943.9	1098.0	1212.1	1275.6	1338.5	1344.7	1275.0	1259.9	1039.0
80°	649.6	658.5	767.1	914.7	1038.4	1122.2	1177.1	1160.9	1073.3	1058.7	859.1
82.5°	507.5	519.8	602.9	743.9	863.6	951.8	994.1	967.7	884.4	863.6	684.4
85°	389.3	395.6	473.1	594.5	700.0	780.4	815.3	786.0	696.7	680.5	537.7
87.5°	296.7	302.9	368.7	464.2	557.4	625.9	653.0	615.9	543.4	532.6	417.5
90°	226.5	231.0	283.1	365.3	437.1	493.9	512.5	483.3	418.6	409.1	321.5
92.5°	173.6	177.5	218.0	283.1	342.3	390.6	398.4	370.9	320.9	312.4	247.3
95°	133.2	137.7	170.3	221.4	267.4	303.9	309.6	286.0	246.1	239.4	190.5
97.5°	104.6	106.2	133.8	175.3	213.0	238.2	240.4	222.5	188.3	183.8	146.7
100°	83.7	84.8	106.2	138.8	169.7	188.3	189.4	170.8	144.4	141.0	112.4
102.5°	68.0	69.1	85.3	111.7	134.8	150.0	149.5	134.8	111.7	107.3	87.7
105°	56.2	56.8	69.7	91.0	109.6	119.7	119.1	105.1	86.0	83.2	68.5
107.5°	47.3	47.8	57.3	74.2	89.9	98.4	96.7	82.6	66.8	65.1	54.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	39.9	40.5	47.8	61.9	75.8	81.4	79.2	65.8	52.8	50.6	43.8
112.5°	34.9	34.9	40.5	51.7	63.5	68.5	65.1	53.4	41.6	40.5	35.9
115°	30.4	30.9	34.9	43.8	54.0	57.3	54.0	42.7	33.7	32.6	29.7
117.5°	26.9	26.9	30.4	37.1	45.5	47.8	44.3	34.9	27.6	26.9	25.3
120°	24.2	24.2	26.4	31.5	38.2	40.5	37.1	28.7	22.5	21.9	21.4
122.5°	21.9	21.9	23.0	26.9	32.6	33.7	30.4	23.5	19.1	18.5	18.5
125°	19.7	19.7	20.2	23.0	27.6	28.7	25.3	19.1	16.3	15.7	15.7
127.5°	18.0	18.0	18.0	20.2	22.5	23.5	20.8	15.7	13.5	13.5	14.1
130°	16.3	16.3	16.3	16.9	18.5	19.1	16.9	12.9	11.8	11.8	11.8
132.5°	14.6	14.6	14.1	14.6	15.2	15.2	12.9	10.7	10.2	10.2	10.7
135°	12.9	12.9	12.3	12.3	12.3	11.8	10.2	8.4	8.4	8.4	9.1
137.5°	11.3	11.3	10.7	10.2	9.5	8.4	7.2	6.7	6.7	6.7	7.2
140°	9.5	9.5	9.1	7.8	6.7	6.2	5.1	5.1	5.6	5.6	5.6
142.5°	7.2	7.2	6.7	6.2	5.1	4.0	3.4	3.4	4.0	4.0	4.5
145°	5.6	5.6	5.1	4.0	2.9	2.2	1.6	2.2	2.9	2.9	3.4
147.5°	4.0	4.0	3.4	2.9	1.6	0.5	1.1	1.6	2.2	2.2	2.9
150°	2.2	2.2	1.6	1.1	0.0	0.0	0.5	1.1	1.6	1.6	1.6
152.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	1.1	1.1	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
2.5°	145.5	144.4	142.1	140.4	138.2	137.1	136.0	134.8	134.2	133.2	133.2
5°	150.6	148.8	144.9	141.7	137.7	134.8	132.1	130.3	129.3	128.6	128.6
7.5°	160.2	157.4	151.2	146.2	140.4	137.1	133.8	130.3	128.6	128.1	128.1
10°	173.6	170.3	161.9	154.5	147.2	142.1	138.8	134.8	133.2	132.1	132.1
12.5°	193.2	187.7	177.5	166.8	157.4	151.2	146.7	143.9	143.9	144.9	144.4
15°	218.0	211.8	197.2	183.8	170.8	162.5	159.5	159.0	159.0	159.5	159.5
17.5°	245.0	236.6	219.7	202.3	187.0	178.8	175.3	174.2	174.2	174.7	175.9
20°	277.5	266.8	245.5	223.0	206.8	196.6	191.6	189.9	191.1	193.2	193.2
22.5°	315.2	303.4	274.8	246.1	227.0	214.1	207.9	206.3	208.4	211.3	211.8
25°	358.6	342.8	306.9	271.4	246.7	230.3	224.1	221.9	225.4	228.7	230.3
27.5°	406.3	386.0	341.6	296.7	264.1	244.3	237.7	237.2	241.6	246.1	247.8
30°	459.0	434.3	378.7	323.1	282.1	256.7	249.5	251.2	256.2	261.9	262.9
32.5°	517.6	488.3	417.5	348.9	296.1	266.3	258.0	261.9	268.1	275.3	276.5
35°	581.1	545.6	458.6	373.1	308.5	273.7	265.2	270.3	276.9	284.9	286.0
37.5°	650.2	606.9	499.5	394.4	318.0	278.1	269.1	275.3	283.1	290.5	291.6
40°	722.1	670.3	540.6	413.6	324.7	281.0	270.7	277.5	285.4	291.1	292.2
42.5°	803.5	738.9	580.5	428.8	328.7	281.4	270.7	276.9	284.9	288.9	289.3
45°	890.1	811.3	619.8	441.1	330.3	281.0	269.1	275.9	282.1	283.8	284.4
47.5°	980.1	885.5	655.1	448.4	330.3	278.7	266.8	271.9	276.9	276.5	276.9
50°	1080.0	963.2	688.3	452.8	328.2	275.9	264.7	268.7	271.9	269.1	269.8
52.5°	1174.4	1040.1	715.3	454.6	324.2	272.5	262.5	265.8	267.4	263.6	263.6
55°	1268.1	1112.6	737.1	451.2	319.2	269.8	260.7	264.1	264.1	259.0	259.0
57.5°	1355.4	1174.4	749.5	444.5	313.0	267.4	259.6	262.9	262.9	256.2	256.2
60°	1422.7	1218.8	750.2	433.8	305.7	264.7	259.0	262.9	262.5	255.7	255.1
62.5°	1463.8	1238.5	737.1	418.6	298.3	261.9	258.5	262.5	262.5	255.1	254.5
65°	1463.8	1225.5	709.1	400.6	290.0	258.5	257.4	262.5	261.2	254.5	253.4
66°	1452.5	1211.5	693.9	392.7	287.2	257.4	256.7	262.5	261.2	254.5	252.9
67.5°	1421.6	1177.8	669.2	379.9	280.5	254.5	255.7	260.7	260.1	252.9	251.7
70°	1331.6	1090.6	615.9	356.7	270.3	249.5	252.3	256.7	256.2	249.5	247.3
72.5°	1199.6	976.0	555.2	332.2	259.0	242.7	246.1	250.5	249.5	243.9	241.6
75°	1044.0	846.3	489.4	305.7	245.5	233.7	237.7	241.6	240.4	235.4	232.0
77.5°	875.9	712.4	424.2	278.1	231.6	222.5	226.5	230.3	228.1	223.7	221.4
80°	711.4	583.3	362.5	250.5	215.2	209.6	213.5	214.7	213.0	209.0	206.3
82.5°	567.5	469.2	303.9	223.7	197.7	194.5	197.2	197.2	195.6	191.6	188.9
85°	445.6	374.2	255.7	196.6	180.4	178.1	179.8	178.1	175.9	171.9	169.7
87.5°	351.1	300.0	214.1	173.1	161.2	160.6	161.2	157.4	155.0	151.8	149.5
90°	274.3	235.4	178.8	150.6	143.9	143.3	142.1	138.2	133.2	129.7	128.1
92.5°	214.1	189.4	147.9	128.6	125.4	124.8	123.1	117.9	114.7	110.1	108.4
95°	169.7	151.2	122.4	111.3	109.6	109.1	106.8	101.1	96.7	92.2	91.0
97.5°	133.2	119.7	102.2	95.5	95.0	94.4	91.5	85.3	80.4	75.8	75.3
100°	104.6	96.1	85.3	82.0	82.0	81.4	78.7	72.6	66.4	61.9	61.3
102.5°	83.2	77.6	71.3	70.2	70.2	69.7	66.8	61.9	54.4	49.4	49.4
105°	66.4	62.9	59.6	60.1	60.6	60.1	57.3	51.2	43.8	39.9	39.9
107.5°	53.4	51.2	50.0	51.2	51.7	51.7	48.9	42.1	35.5	32.0	32.0



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CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-FL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	43.3	42.1	42.1	43.3	44.3	44.3	41.1	35.5	28.7	25.8	25.8
112.5°	35.5	34.9	35.5	37.6	38.2	37.6	34.9	29.3	23.0	21.4	21.4
115°	29.7	29.7	30.4	32.0	33.1	32.0	29.3	23.5	18.5	17.3	17.3
117.5°	25.3	25.3	25.8	27.6	28.0	26.9	24.2	19.1	15.2	14.6	14.6
120°	21.4	21.4	21.9	23.0	23.5	22.5	19.7	15.7	12.3	11.8	12.3
122.5°	18.5	18.5	19.1	19.7	20.2	19.1	16.3	12.3	10.2	10.2	10.2
125°	16.3	16.3	16.3	16.9	16.9	15.7	13.5	10.2	7.8	8.4	8.4
127.5°	14.1	14.1	14.1	14.1	14.1	12.9	10.7	7.8	6.7	7.2	7.2
130°	12.3	12.3	11.8	11.8	11.3	10.7	8.4	6.2	5.6	6.2	6.2
132.5°	10.7	10.7	10.2	9.5	9.1	8.4	6.7	4.5	4.5	5.1	5.1
135°	9.1	9.1	8.4	7.8	7.2	6.2	4.5	3.4	3.4	4.0	4.0
137.5°	7.2	7.2	6.7	6.2	5.1	4.5	3.4	2.2	2.9	3.4	3.4
140°	5.6	5.6	5.1	4.5	3.4	2.2	1.6	1.6	1.6	2.2	2.2
142.5°	4.5	4.5	4.0	2.9	1.6	1.1	0.5	0.5	1.1	1.6	1.6
145°	3.4	3.4	2.9	2.2	1.1	0.5	0.0	0.0	0.5	0.5	0.5
147.5°	2.9	2.2	2.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.2	1.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.5	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)