

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: P254852

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-FL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254852  
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-AF24-40-D-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 500mA 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: 4220.7 lumens  
Efficiency: N/A  
Efficacy: 105.5 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): 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



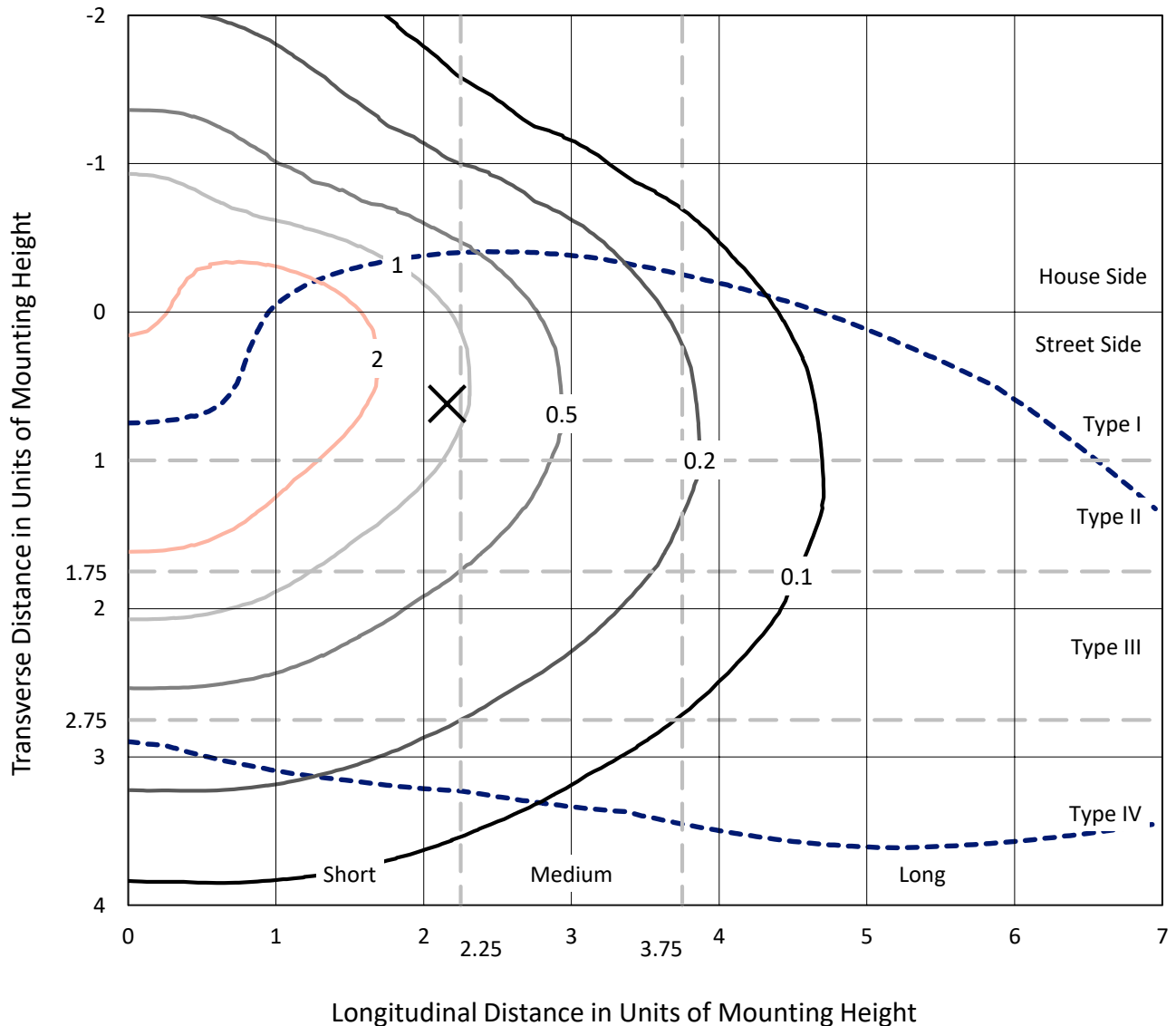
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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

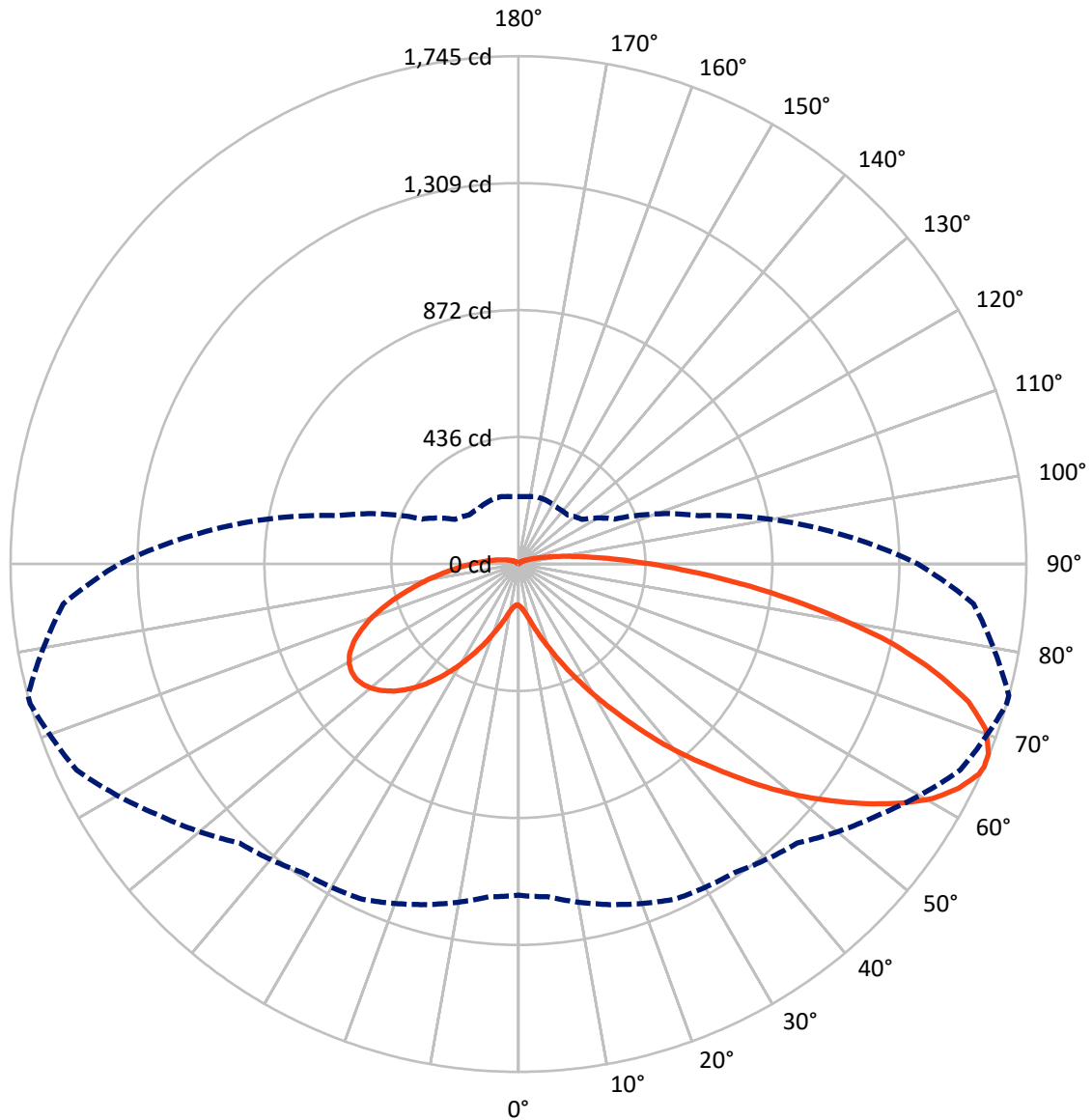


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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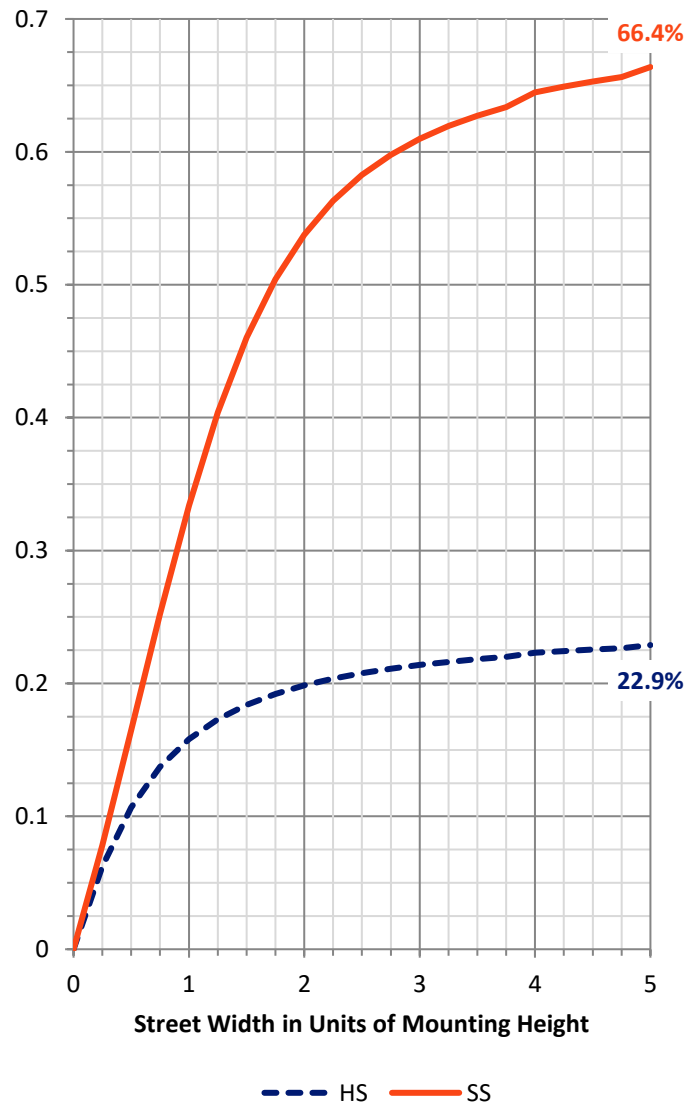
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1015.2	104.9	1120.1
	% Fixture	24.1	2.5	26.5
<b>Street Side</b>	Lumens	2920.6	179.9	3100.5
	% Fixture	69.2	4.3	73.5
<b>Total</b>	Lumens	3935.8	284.9	4220.7
	% Fixture	93.3	6.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.1	0.4
10°-20°	63.9	1.5
20°-30°	163.9	3.9
30°-40°	332.0	7.9
40°-50°	562.1	13.3
50°-60°	797.0	18.9
60°-70°	899.9	21.3
70°-80°	719.6	17.0
80°-90°	382.3	9.1
90°-100°	161.2	3.8
100°-110°	68.5	1.6
110°-120°	31.7	0.7
120°-130°	15.1	0.4
130°-140°	6.5	0.2
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3935.8	93.3
0°-180°	4220.7	100.0

**Coefficient of Utilization**



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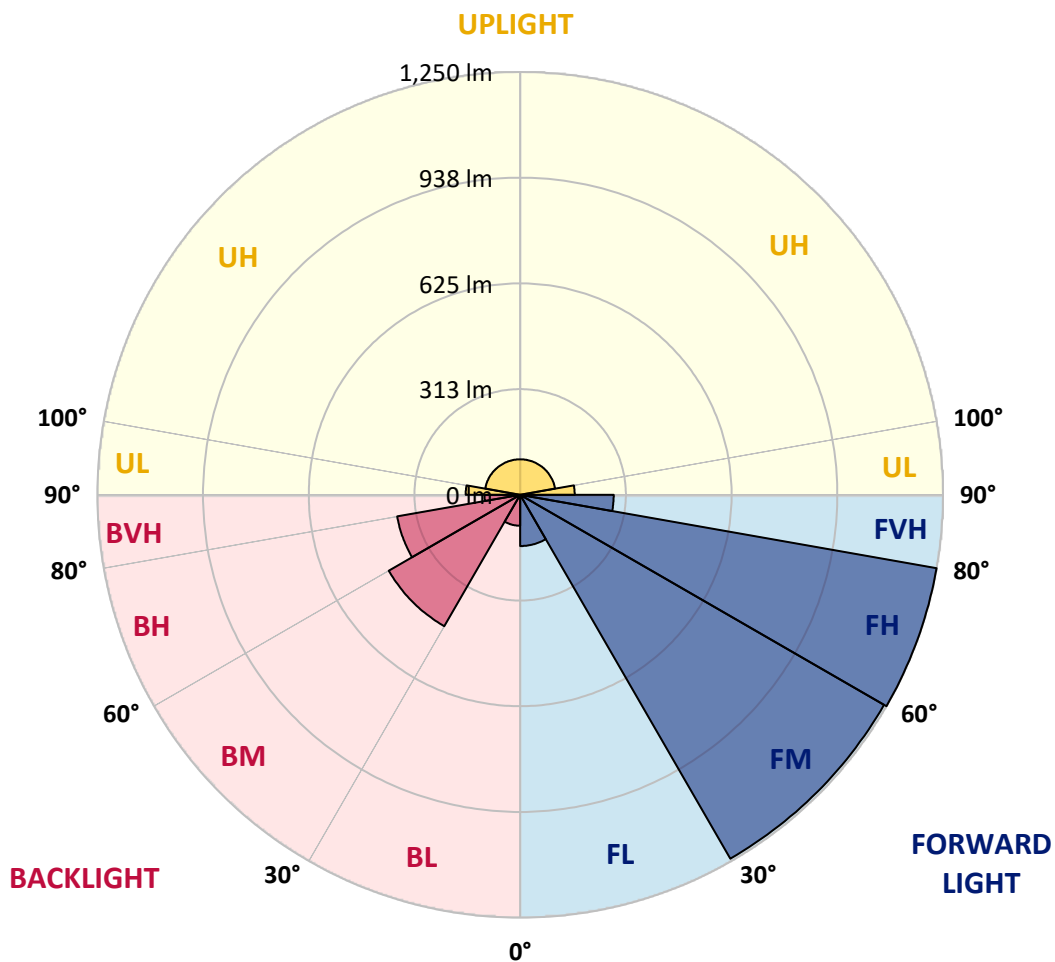
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.4	3.6			
FM	(30°-60°)	1242.3	29.4			
FH	(60°-80°)	1250.3	29.6			G1/1800
FVH	(80°-90°)	276.6	6.6			G3/500
BL	(0°-30°)	91.5	2.2	B0/110		
BM	(30°-60°)	448.8	10.6	B1/1000		
BH	(60°-80°)	369.2	8.7	B1/500		G1/500
BVH	(80°-90°)	105.7	2.5			G2/225
UL	(90°-100°)	161.2	3.8		U3/500	
UH	(100°-180°)	104.9	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°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	155.5	156.5	155.5	155.0	154.0	153.4	151.3	148.7	147.2	146.7	144.6
5°	171.3	172.9	171.9	170.3	168.8	166.7	163.7	159.6	156.5	156.0	151.8
7.5°	190.9	192.9	191.4	189.3	186.8	183.6	179.0	173.9	169.3	168.3	163.2
10°	218.5	218.0	215.9	212.9	209.3	206.2	200.6	192.9	187.3	186.2	179.0
12.5°	249.8	249.8	246.7	242.1	237.0	232.4	226.8	218.0	211.9	210.3	201.6
15°	285.2	286.7	282.1	277.0	269.9	263.2	258.1	248.8	241.6	240.1	229.3
17.5°	326.8	327.3	322.2	315.5	307.3	301.2	293.5	283.7	275.5	273.9	260.6
20°	374.5	374.0	367.9	358.6	349.3	343.7	334.0	323.3	313.9	312.9	297.1
22.5°	428.9	424.8	420.1	408.4	400.7	389.9	379.6	367.3	358.6	357.1	340.1
25°	489.9	484.3	479.7	464.3	453.0	440.2	429.4	418.6	411.4	408.4	388.3
27.5°	558.6	555.1	545.8	526.9	509.4	493.6	485.3	475.1	467.4	465.9	445.3
30°	635.7	626.9	617.1	594.1	570.5	548.9	540.7	536.6	531.0	529.0	505.8
32.5°	712.1	711.6	697.2	668.0	637.2	613.1	605.4	603.3	598.2	598.7	571.0
35°	802.4	801.9	783.9	748.0	709.5	679.8	674.6	677.2	675.7	675.1	643.8
37.5°	898.4	896.2	876.3	832.7	784.9	751.1	747.5	756.2	762.9	758.2	721.8
40°	997.3	998.8	971.7	920.3	864.5	825.9	823.9	843.9	851.1	846.5	803.4
42.5°	1093.2	1092.2	1066.5	1013.7	945.0	904.0	905.5	931.6	940.4	938.4	890.6
45°	1186.1	1185.1	1162.0	1100.4	1027.6	983.0	990.6	1022.4	1039.4	1039.4	982.4
47.5°	1267.6	1266.6	1246.7	1184.1	1107.1	1061.9	1074.3	1117.4	1145.6	1142.0	1074.8
50°	1334.3	1332.8	1319.0	1261.5	1182.5	1139.5	1160.4	1216.4	1250.8	1243.1	1169.1
52.5°	1377.0	1379.0	1372.3	1324.1	1250.3	1211.3	1243.6	1313.9	1351.8	1348.8	1265.1
55°	1397.5	1398.5	1406.8	1369.2	1304.6	1274.9	1322.6	1407.8	1454.4	1450.3	1357.5
57.5°	1387.7	1390.8	1412.9	1393.4	1342.1	1327.2	1393.4	1494.4	1550.4	1550.9	1439.0
60°	1346.7	1354.9	1388.8	1393.4	1360.5	1361.0	1451.9	1571.4	1635.5	1631.9	1506.7
62.5°	1278.0	1288.2	1337.4	1362.6	1351.3	1376.5	1490.3	1631.4	1697.1	1699.6	1555.5
65°	1183.0	1192.8	1252.3	1302.5	1315.9	1367.7	1507.2	1669.4	1739.1	1738.6	1572.4
66°	1137.9	1147.6	1211.3	1270.7	1294.3	1355.4	1506.2	1675.0	1744.7	1744.2	1569.8
67.5°	1063.5	1074.3	1140.5	1212.8	1251.8	1328.2	1494.4	1671.9	1741.7	1740.7	1552.9
70°	926.0	938.4	1012.2	1092.2	1157.4	1257.9	1447.3	1637.0	1703.7	1698.6	1490.3
72.5°	782.4	795.1	869.1	954.2	1046.1	1165.0	1362.6	1556.5	1616.6	1609.9	1385.7
75°	641.8	654.1	726.9	813.7	913.2	1043.0	1243.6	1429.3	1477.0	1476.5	1244.6
77.5°	513.5	524.3	589.4	675.7	776.2	907.6	1097.3	1275.4	1314.4	1304.1	1076.9
80°	402.7	413.0	468.9	546.4	644.4	767.0	937.3	1089.1	1110.2	1104.1	899.9
82.5°	312.4	321.6	370.4	437.6	525.9	633.6	769.1	901.4	911.1	904.5	728.4
85°	241.6	249.8	291.4	349.3	424.3	513.5	621.7	715.7	724.9	720.3	575.6
87.5°	187.3	192.9	227.8	276.5	339.6	411.9	493.1	565.4	561.8	557.1	445.3
90°	144.6	150.3	179.0	219.5	271.4	327.9	387.3	436.1	429.4	424.3	341.7
92.5°	112.3	116.4	141.6	175.4	217.5	260.6	302.7	334.0	325.3	321.6	260.6
95°	88.8	91.9	111.8	143.1	175.4	208.3	237.0	259.1	246.2	243.2	198.6
97.5°	71.3	73.3	90.3	115.4	142.6	167.8	187.3	196.5	186.8	184.1	151.3
100°	58.5	59.5	73.9	93.9	115.9	136.5	148.7	152.9	142.6	140.6	115.4
102.5°	48.2	49.2	61.1	79.0	96.5	110.8	118.5	121.1	108.2	106.7	89.3
105°	40.5	41.0	50.7	66.7	81.0	91.3	96.5	93.9	83.6	82.0	69.8
107.5°	34.9	35.4	42.6	57.0	68.7	76.4	79.5	75.9	65.2	63.6	54.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	30.3	30.3	36.4	48.2	58.5	65.2	66.2	60.6	51.4	50.2	44.1
112.5°	26.7	26.7	31.8	41.5	50.2	55.4	55.4	49.2	40.5	40.0	35.9
115°	24.1	24.1	27.7	35.9	43.6	47.7	46.6	40.0	32.8	32.3	29.8
117.5°	21.6	21.6	24.1	30.8	37.4	41.0	39.5	32.8	26.7	26.2	25.2
120°	19.5	19.5	21.6	26.2	32.3	34.9	33.3	27.2	22.1	21.6	21.1
122.5°	18.0	18.0	19.0	23.1	27.7	29.8	28.2	22.6	18.5	18.5	18.0
125°	16.4	16.4	17.5	20.0	23.6	25.7	23.6	18.5	15.3	15.3	15.9
127.5°	15.3	15.3	15.9	17.5	20.6	21.6	19.5	15.3	13.3	13.3	13.8
130°	13.8	13.8	14.3	15.3	16.9	18.0	15.9	12.8	11.8	11.3	11.8
132.5°	12.8	12.8	12.8	13.3	13.8	14.3	12.8	10.2	9.7	9.7	10.2
135°	11.3	11.8	11.3	11.3	11.3	11.3	9.7	8.2	8.2	8.2	8.7
137.5°	10.2	10.2	9.7	9.2	9.2	8.7	7.7	6.6	6.6	6.6	7.2
140°	8.7	8.7	8.7	7.7	6.6	6.1	5.1	5.1	5.6	5.6	6.1
142.5°	7.2	7.2	6.6	6.1	4.6	4.1	3.6	3.6	4.1	4.1	4.6
145°	5.6	5.6	5.1	4.1	3.1	2.0	2.0	2.0	2.6	2.6	3.1
147.5°	4.1	4.1	3.6	2.6	1.5	1.0	1.0	1.5	2.0	2.0	2.6
150°	2.6	2.6	2.0	1.5	0.5	0.0	0.5	1.0	1.5	1.5	2.0
152.5°	1.0	1.0	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	0.5	0.5	0.5	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.0
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°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	143.6	142.6	140.6	139.0	137.0	136.0	135.4	134.4	133.9	133.4	133.4
5°	149.8	147.7	144.1	140.6	137.5	134.4	132.9	131.3	129.8	128.8	128.8
7.5°	160.1	157.0	151.3	145.7	140.6	136.5	133.4	131.3	129.3	128.3	127.8
10°	174.4	170.3	162.6	155.0	147.7	141.6	137.5	134.9	132.9	131.3	130.8
12.5°	197.0	190.9	179.5	168.3	157.0	150.3	144.6	143.1	142.1	141.1	142.1
15°	223.2	215.4	201.6	186.8	172.9	162.1	157.5	156.5	155.5	155.0	155.0
17.5°	252.4	244.2	225.8	206.2	189.3	178.5	171.9	169.8	168.3	167.8	167.3
20°	287.8	277.0	253.4	228.3	208.3	196.5	187.3	183.6	182.1	182.1	182.1
22.5°	328.9	314.5	285.2	252.4	229.3	212.9	203.2	197.5	196.5	197.0	196.5
25°	375.0	357.6	320.1	279.6	249.3	228.8	216.5	211.3	209.8	210.8	210.8
27.5°	427.4	407.3	357.6	308.3	268.3	242.6	228.8	224.2	222.7	224.2	224.2
30°	482.2	459.7	396.6	335.5	284.7	253.9	238.6	235.0	233.4	235.0	235.5
32.5°	547.9	514.0	437.6	361.7	300.1	263.2	246.7	243.7	242.1	244.2	244.2
35°	615.6	574.1	478.6	385.8	312.4	269.9	252.4	249.8	248.8	250.8	250.8
37.5°	684.4	639.2	520.7	407.3	321.6	274.5	256.6	254.5	253.9	253.9	254.5
40°	759.7	703.4	560.8	424.8	328.4	277.0	259.1	256.6	256.0	255.5	255.5
42.5°	837.8	765.5	596.7	438.1	331.4	277.5	259.1	257.6	257.1	255.0	254.5
45°	917.8	831.7	630.5	447.3	332.5	276.5	258.6	257.1	256.6	252.9	252.4
47.5°	999.3	895.2	658.2	451.4	329.9	274.5	257.1	255.5	254.5	248.8	248.8
50°	1079.9	957.8	681.8	451.9	325.8	270.9	255.0	254.5	252.4	245.7	244.7
52.5°	1158.9	1016.8	699.3	448.4	319.1	267.3	252.9	252.9	250.3	243.2	242.1
55°	1233.3	1069.7	709.5	440.2	311.4	262.7	250.3	250.8	248.3	240.6	239.6
57.5°	1297.9	1113.3	711.1	427.9	302.7	258.1	247.8	248.8	247.2	238.6	237.5
60°	1349.8	1141.0	703.9	413.0	292.5	252.4	244.7	246.7	245.2	237.0	236.5
62.5°	1378.0	1151.7	685.9	394.6	282.1	247.2	240.6	244.2	243.2	235.0	234.5
65°	1380.1	1138.4	656.1	373.5	271.4	241.1	237.0	240.1	240.1	232.9	232.4
66°	1372.3	1125.0	641.3	365.3	266.8	238.6	235.0	238.6	239.1	232.4	231.4
67.5°	1348.2	1097.3	615.6	350.9	259.6	234.5	231.4	235.5	236.0	230.4	228.8
70°	1281.0	1029.6	569.0	327.3	247.8	226.3	224.7	228.8	229.9	225.3	223.7
72.5°	1177.9	940.9	514.0	301.7	234.5	217.0	216.5	220.7	221.7	217.5	215.9
75°	1047.6	824.4	453.5	276.5	220.0	206.7	206.2	209.3	210.8	207.8	205.2
77.5°	898.9	704.9	394.0	250.8	205.7	195.0	195.0	197.5	198.0	195.0	192.4
80°	746.4	586.9	340.1	225.3	190.9	181.6	181.6	182.6	183.1	180.0	177.0
82.5°	603.3	478.6	288.4	200.6	173.9	166.7	166.2	166.2	165.7	163.2	159.6
85°	477.1	384.2	241.1	177.5	157.5	151.8	150.3	148.7	147.7	144.6	141.6
87.5°	373.0	305.8	203.2	156.0	141.1	136.5	134.4	132.4	129.8	126.2	122.1
90°	289.9	242.1	169.3	136.0	124.7	120.6	117.4	114.4	111.3	107.2	105.2
92.5°	224.7	191.4	141.6	116.9	109.3	106.2	103.1	99.0	94.9	90.8	88.8
95°	174.9	152.3	117.4	101.1	95.4	92.9	89.8	85.2	80.0	75.9	74.4
97.5°	136.5	121.1	98.0	87.3	83.6	80.5	77.4	72.8	67.2	62.6	61.6
100°	106.2	96.5	82.0	75.4	72.3	70.3	67.2	62.6	56.0	51.4	50.7
102.5°	84.1	77.4	68.7	65.2	63.1	61.1	58.0	53.4	46.6	41.5	41.5
105°	66.7	62.6	58.0	56.0	54.4	52.9	49.7	45.1	38.0	33.9	33.9
107.5°	53.9	50.7	48.7	47.7	47.2	45.6	43.1	38.0	31.3	27.7	27.7



REPORT NUMBER: P254852

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	43.6	42.0	41.0	41.0	40.5	40.0	36.9	31.8	25.7	22.6	23.1
112.5°	35.9	34.9	34.9	35.4	35.4	34.4	31.3	26.7	21.1	19.0	19.0
115°	29.8	29.3	29.8	30.3	30.8	29.8	26.7	22.1	16.9	15.9	15.9
117.5°	25.2	25.2	25.7	26.2	26.2	25.2	22.6	18.5	13.8	13.3	13.3
120°	21.6	21.6	21.6	22.1	22.6	21.6	19.0	14.8	11.3	11.3	11.3
122.5°	18.5	18.5	18.5	19.0	19.0	18.5	15.9	12.3	9.7	9.7	9.7
125°	15.9	15.9	15.9	16.4	16.4	15.3	12.8	10.2	8.2	8.2	8.2
127.5°	13.8	13.8	13.8	13.8	13.8	12.8	10.7	8.2	6.6	7.2	7.2
130°	12.3	12.3	11.8	11.8	11.3	10.7	8.7	6.6	5.6	6.1	6.1
132.5°	10.2	10.7	10.2	9.7	9.2	8.2	6.6	5.1	4.6	5.1	5.1
135°	8.7	9.2	8.7	7.7	7.2	6.6	5.1	4.1	4.1	4.1	4.1
137.5°	7.7	7.7	7.2	6.1	5.6	4.6	3.6	3.1	3.1	3.6	3.6
140°	6.1	6.1	5.6	4.6	4.1	3.1	2.0	2.0	2.6	2.6	2.6
142.5°	4.6	4.6	4.1	3.1	2.0	1.5	1.0	1.0	1.5	2.0	2.0
145°	3.1	3.1	3.1	2.0	1.5	0.5	0.0	0.5	1.0	1.0	1.0
147.5°	2.6	2.6	2.0	1.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5
150°	2.0	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	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	0.5	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°	0.0	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)