

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: P415151

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-750-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4640 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

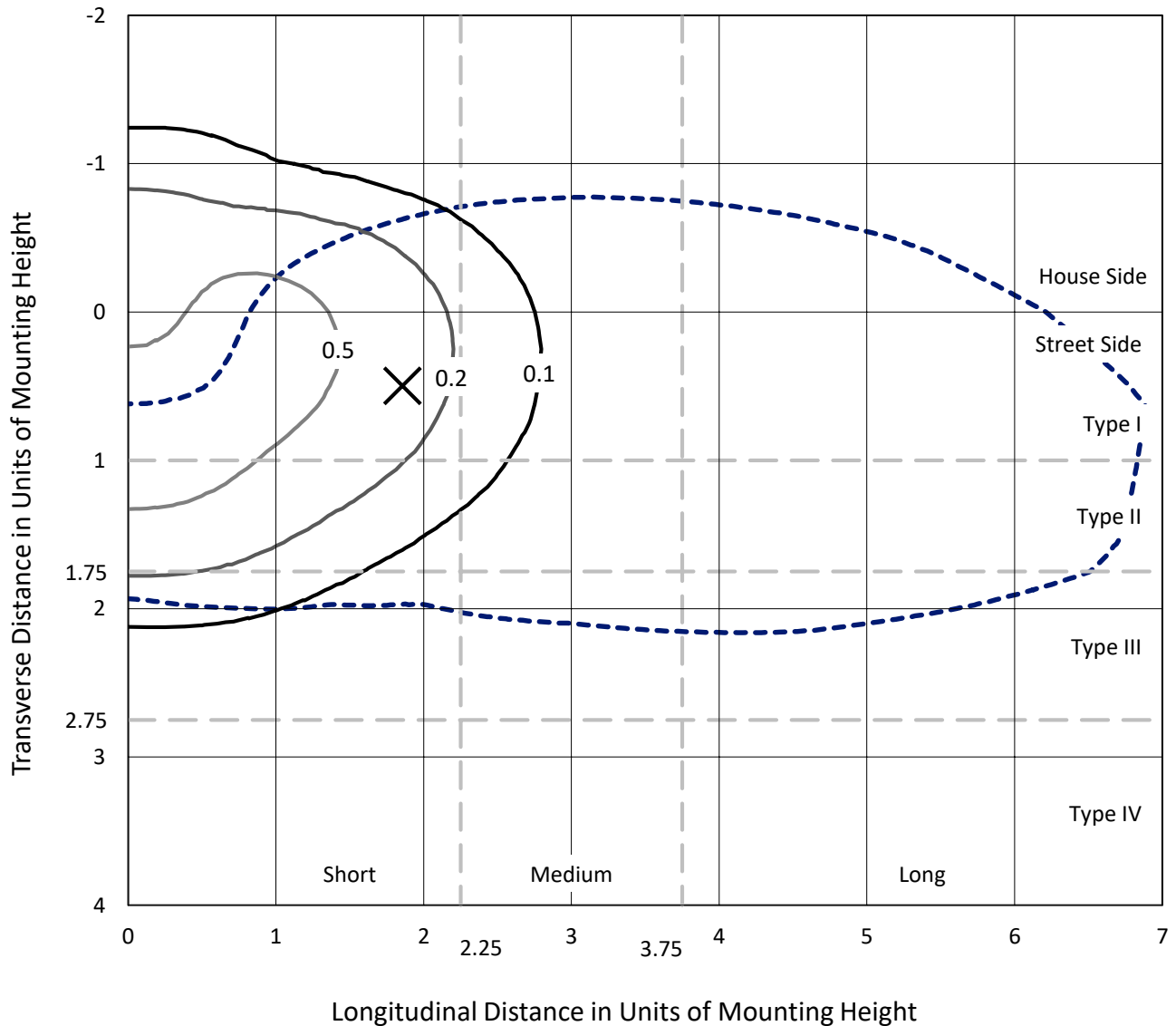
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

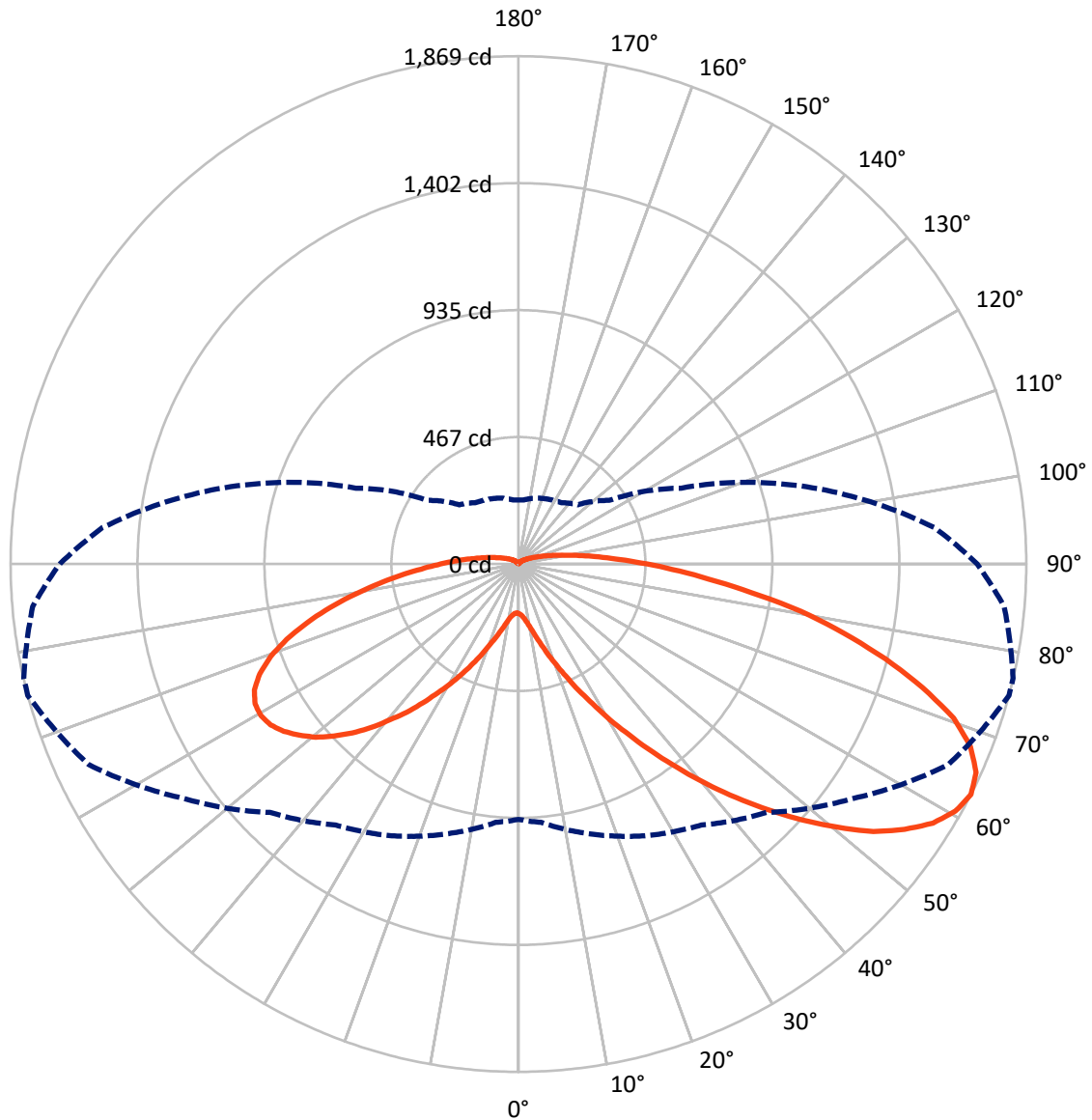


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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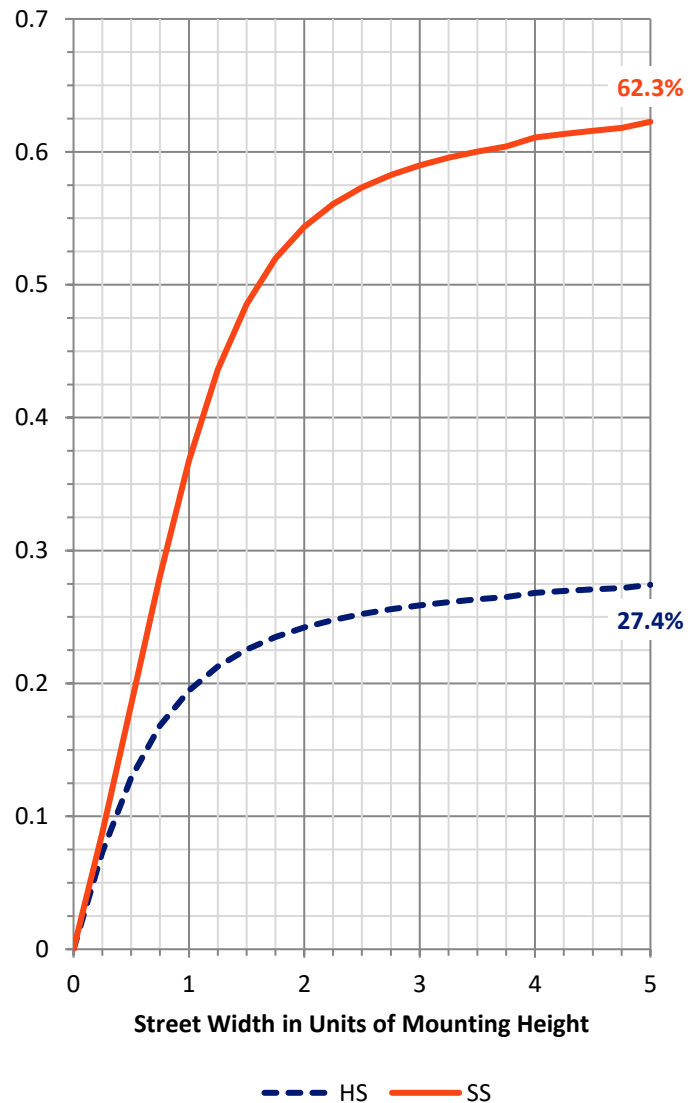
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1326.9	141.1	1468.0
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	2978.3	193.7	3172.0
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	4305.2	334.8	4640.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.2	0.4
10°-20°	80.7	1.7
20°-30°	208.9	4.5
30°-40°	427.5	9.2
40°-50°	709.0	15.3
50°-60°	919.8	19.8
60°-70°	905.9	19.5
70°-80°	665.7	14.3
80°-90°	368.4	7.9
90°-100°	174.0	3.7
100°-110°	83.1	1.8
110°-120°	42.4	0.9
120°-130°	22.0	0.5
130°-140°	10.1	0.2
140°-150°	3.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4305.2	92.8
0°-180°	4640.0	100.0



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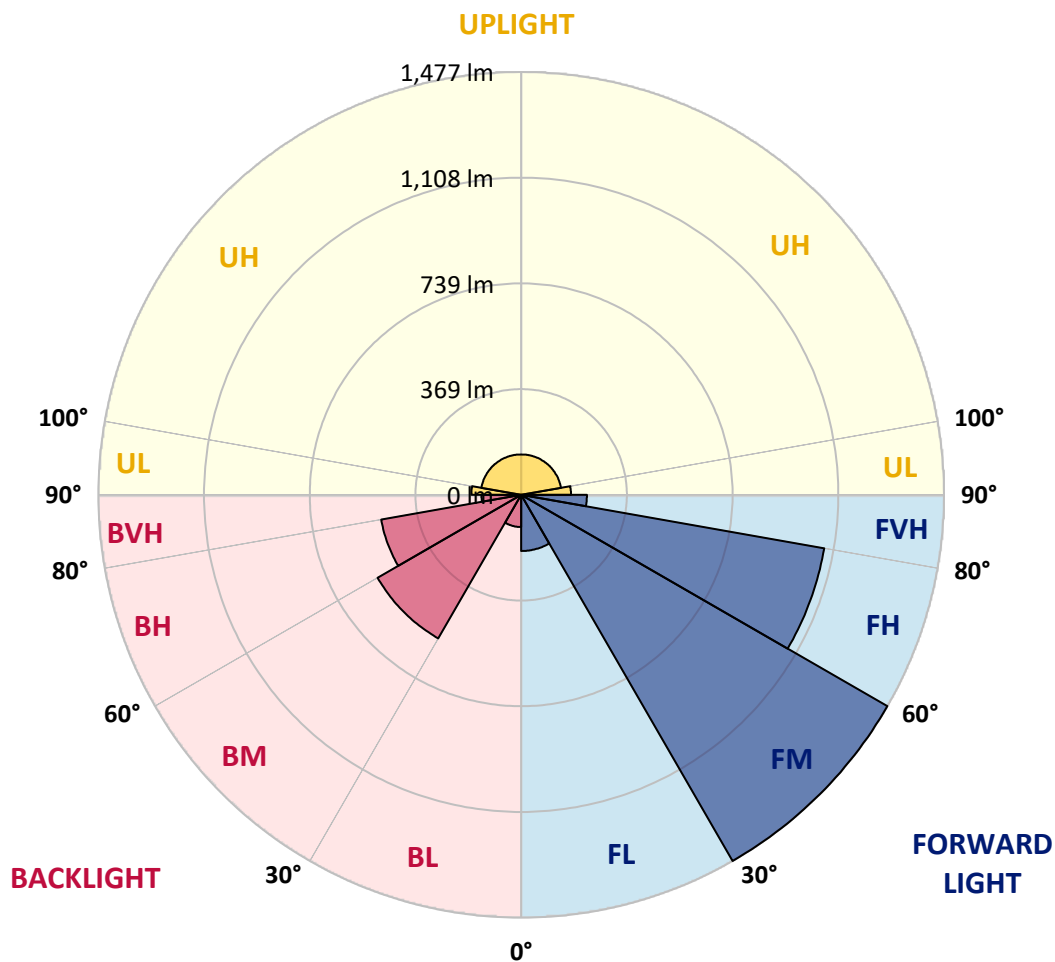
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	196.3	4.2			
FM	(30°-60°)	1477.1	31.8			
FH	(60°-80°)	1075.2	23.2			G1/1800
FVH	(80°-90°)	229.6	4.9			G3/500
BL	(0°-30°)	112.6	2.4	B1/500		
BM	(30°-60°)	579.2	12.5	B1/1000		
BH	(60°-80°)	496.4	10.7	B1/500		G1/500
BVH	(80°-90°)	138.8	3.0			G2/225
UL	(90°-100°)	174.0	3.7		U3/500	
UH	(100°-180°)	141.1	3.0		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3
2.5°	203.1	201.4	200.4	198.7	197.6	195.4	193.2	190.0	187.2	186.7	184.5
5°	224.4	221.7	221.7	219.0	215.1	212.4	208.0	202.5	198.2	195.4	193.2
7.5°	251.8	249.6	246.9	244.7	240.9	235.9	229.9	222.8	214.0	212.4	206.9
10°	282.5	281.4	279.2	274.8	269.9	263.3	255.1	246.3	236.5	234.8	225.5
12.5°	323.0	323.0	319.7	313.7	306.5	294.5	287.4	278.1	266.6	264.9	251.8
15°	372.8	370.6	366.2	355.8	347.6	337.8	329.0	316.9	301.6	298.9	286.8
17.5°	427.5	423.1	421.0	411.1	400.2	388.1	376.1	362.9	346.0	341.6	327.3
20°	488.8	491.6	483.4	472.4	456.0	443.9	430.3	413.3	394.7	391.4	374.4
22.5°	566.0	563.8	552.3	537.0	521.1	508.0	490.5	473.5	448.3	445.0	425.3
25°	651.4	649.2	634.4	615.3	597.2	573.7	553.4	535.4	514.6	509.6	486.1
27.5°	735.2	746.1	723.7	700.1	678.8	652.5	628.4	605.4	581.9	578.1	553.4
30°	849.6	852.3	826.0	793.7	764.7	731.9	706.7	685.9	665.6	653.1	630.6
32.5°	968.9	960.2	939.4	899.9	854.0	817.3	789.4	770.2	751.0	744.5	711.6
35°	1087.2	1087.2	1054.9	1001.8	941.5	904.3	876.9	865.5	847.9	837.5	800.9
37.5°	1203.2	1201.6	1168.7	1106.3	1044.5	993.5	976.0	962.9	950.8	940.4	895.6
40°	1317.6	1314.9	1275.5	1214.7	1142.4	1089.9	1075.7	1077.8	1063.6	1049.4	1004.5
42.5°	1409.6	1408.5	1377.3	1316.5	1230.0	1183.5	1169.3	1182.4	1175.8	1162.1	1109.6
45°	1482.9	1478.0	1453.4	1391.5	1313.2	1264.0	1267.8	1299.5	1291.9	1285.3	1220.2
47.5°	1513.6	1513.0	1499.3	1445.7	1373.4	1339.0	1360.9	1405.2	1407.9	1402.5	1329.7
50°	1505.4	1507.6	1506.5	1473.6	1414.5	1397.0	1439.1	1514.7	1523.4	1518.0	1443.0
52.5°	1457.2	1458.3	1476.4	1462.1	1428.7	1433.7	1508.7	1605.5	1636.2	1621.4	1543.1
55°	1355.4	1369.1	1404.6	1412.9	1408.5	1441.9	1550.3	1677.8	1724.3	1719.4	1630.2
57.5°	1250.3	1243.7	1294.6	1334.0	1357.0	1420.0	1563.9	1729.3	1799.3	1792.8	1707.9
60°	1097.0	1106.9	1169.3	1225.6	1274.4	1367.4	1551.4	1756.6	1848.0	1844.2	1764.8
62.5°	940.4	954.7	1028.6	1103.6	1173.1	1293.0	1504.3	1746.2	1869.4	1868.8	1794.9
65°	793.2	808.5	876.4	967.3	1055.9	1192.3	1422.2	1701.9	1851.3	1852.4	1789.5
67.5°	662.4	670.6	741.7	841.9	928.4	1074.0	1316.5	1614.3	1794.4	1800.4	1745.7
70°	545.8	551.8	620.8	710.0	810.2	942.1	1188.4	1502.1	1699.2	1701.3	1666.9
72.5°	447.8	453.3	519.5	598.9	691.4	826.6	1056.5	1348.8	1555.7	1577.6	1545.3
75°	358.0	369.0	425.9	503.1	585.7	706.2	916.9	1184.0	1394.8	1413.4	1408.5
77.5°	291.8	306.5	352.0	418.2	494.3	598.9	777.3	1021.5	1224.5	1239.9	1243.7
80°	235.4	246.3	291.8	350.3	414.9	505.8	649.8	862.7	1053.2	1054.9	1053.2
82.5°	191.0	199.3	239.8	292.9	349.8	425.3	544.7	719.8	863.8	881.3	884.6
85°	155.5	161.5	196.5	244.1	292.3	356.4	449.4	587.9	701.8	719.8	713.8
87.5°	124.8	133.0	160.9	201.4	246.3	297.2	373.9	475.7	566.6	574.2	573.1
90°	102.4	105.1	133.0	167.5	208.0	246.9	305.5	383.2	451.1	464.7	455.4
92.5°	82.7	87.0	110.6	141.8	173.5	207.5	253.4	314.8	356.9	365.1	360.7
95°	69.5	71.7	93.1	118.8	146.2	176.8	209.1	251.3	282.5	285.2	286.3
97.5°	58.0	60.2	77.7	101.3	124.8	149.4	174.1	205.3	226.1	225.5	223.9
100°	49.8	50.9	66.8	88.1	108.9	127.0	146.2	165.3	177.9	181.7	175.7
102.5°	43.2	43.8	57.5	76.1	93.6	109.5	123.7	137.4	142.3	142.9	140.1
105°	38.3	38.9	50.4	65.7	81.6	93.6	104.6	112.8	115.0	115.0	111.7
107.5°	33.9	34.5	43.2	58.0	72.3	82.1	89.8	94.2	93.1	92.5	90.3
110°	31.2	31.2	38.3	51.5	63.0	71.7	77.7	78.3	75.5	75.5	73.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	28.5	28.5	33.9	45.4	55.8	63.5	67.3	66.2	62.4	61.3	61.3
115°	26.3	26.3	30.1	40.0	49.8	55.8	58.6	55.8	51.5	50.9	50.4
117.5°	24.6	24.6	27.4	35.6	43.8	49.3	50.9	48.2	43.2	42.7	42.7
120°	23.0	23.0	25.2	31.2	38.9	43.2	44.3	41.1	36.1	36.1	36.7
122.5°	21.9	21.9	23.0	27.9	34.5	38.3	38.3	35.0	30.7	30.7	31.2
125°	20.8	20.8	21.3	24.6	30.1	33.4	32.8	29.0	26.3	26.3	26.8
127.5°	19.7	19.7	19.7	21.9	26.3	29.0	28.5	24.6	22.4	22.4	23.5
130°	18.6	18.6	18.1	19.2	22.4	24.6	23.5	20.8	19.2	19.2	20.3
132.5°	17.5	17.5	16.4	17.0	19.2	20.3	19.2	17.0	16.4	16.4	17.0
135°	16.4	15.9	15.3	14.8	15.9	16.4	15.3	13.7	13.7	13.7	14.8
137.5°	14.8	14.8	13.7	12.6	12.6	12.6	12.0	10.4	10.9	11.5	12.0
140°	13.7	13.7	12.6	10.9	9.9	9.9	8.8	8.2	8.8	9.3	9.9
142.5°	12.0	12.0	10.9	9.3	7.7	6.6	6.0	5.5	6.6	7.1	7.1
145°	10.4	10.4	9.3	7.1	5.5	3.8	3.3	3.8	4.4	4.9	5.5
147.5°	8.8	8.2	7.1	5.5	2.7	1.6	1.1	2.2	2.7	2.7	3.3
150°	6.6	6.6	5.5	3.8	1.6	0.0	0.5	1.1	1.6	1.6	2.2
152.5°	4.9	4.4	3.8	2.2	0.0	0.0	0.0	0.0	0.5	1.1	1.1
155°	2.7	2.7	2.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3
2.5°	183.4	181.7	179.5	177.9	176.3	174.1	173.0	171.3	171.3	171.3	172.4
5°	190.0	187.8	182.8	178.5	174.1	170.8	167.5	165.3	164.2	163.1	163.7
7.5°	202.0	199.3	191.6	183.9	177.9	171.9	167.5	163.7	162.0	161.5	161.5
10°	220.6	215.7	204.2	193.8	185.0	176.8	170.8	165.9	163.7	162.0	162.0
12.5°	245.8	238.7	225.0	210.8	197.6	186.7	177.9	174.1	172.4	171.3	171.9
15°	279.2	271.5	250.7	232.1	215.1	200.4	192.1	188.3	186.1	185.0	184.5
17.5°	318.0	307.1	281.9	257.8	236.5	220.1	209.7	203.6	199.8	197.6	198.2
20°	360.7	346.5	314.2	287.9	260.6	244.1	228.3	218.4	213.5	212.4	212.9
22.5°	408.9	394.1	356.9	318.6	290.1	265.5	246.3	233.7	227.7	227.2	227.2
25°	465.8	446.1	402.3	354.2	317.5	286.3	263.9	248.5	242.0	239.8	239.8
27.5°	530.4	504.2	450.0	394.7	344.3	304.9	278.6	261.1	254.0	252.4	252.4
30°	601.6	574.2	505.3	433.0	370.0	321.3	291.8	273.2	263.9	261.7	262.2
32.5°	679.9	644.3	557.3	474.1	392.5	334.5	300.5	281.9	271.5	268.8	268.8
35°	764.7	723.1	619.1	514.0	413.8	344.9	307.1	287.9	276.4	273.7	273.2
37.5°	860.0	808.0	683.2	550.7	430.8	351.4	311.5	291.8	279.2	275.3	274.8
40°	959.6	899.9	742.3	584.1	445.0	355.3	312.6	293.4	280.3	274.3	273.7
42.5°	1052.7	987.0	809.6	614.7	453.8	356.9	312.0	292.9	279.2	271.0	270.4
45°	1155.6	1075.1	871.5	642.7	459.3	355.8	309.8	290.1	277.0	266.6	265.5
47.5°	1263.4	1170.9	928.4	662.9	461.5	352.5	307.1	287.9	273.2	261.7	260.6
50°	1360.9	1253.0	981.5	678.8	460.4	347.6	302.7	284.7	269.9	256.7	255.6
52.5°	1456.1	1339.0	1023.1	687.5	454.9	342.1	298.9	280.8	266.0	252.4	250.7
55°	1542.6	1406.8	1060.3	691.4	447.8	335.0	293.4	277.5	262.8	248.0	246.3
57.5°	1609.4	1470.9	1087.7	686.4	436.8	326.8	287.9	272.6	258.9	244.1	242.5
60°	1658.6	1513.0	1100.3	677.1	424.2	317.5	281.4	267.7	255.1	240.9	239.2
62.5°	1688.2	1536.6	1097.6	660.7	408.4	308.2	275.3	262.8	251.3	237.0	235.9
65°	1683.3	1527.3	1076.7	634.4	391.4	296.1	266.0	256.2	245.8	232.6	231.0
67.5°	1643.3	1489.5	1034.6	601.6	372.2	284.1	257.3	247.4	238.7	227.2	223.9
70°	1572.2	1420.0	973.8	560.5	350.3	270.4	246.9	237.6	229.9	219.0	215.7
72.5°	1452.3	1318.7	896.7	517.8	326.8	254.5	233.2	225.5	217.3	208.6	204.7
75°	1315.4	1191.7	805.8	467.5	301.6	238.7	219.0	211.3	203.6	194.3	191.0
77.5°	1166.5	1047.7	711.6	423.1	275.9	220.6	203.1	196.5	188.9	179.0	175.2
80°	988.6	893.9	611.5	372.2	250.2	203.1	186.7	179.5	171.3	162.0	158.2
82.5°	828.2	744.5	518.9	326.3	224.4	185.0	170.8	160.4	152.7	143.4	136.9
85°	677.1	618.6	435.2	280.3	200.4	166.4	152.2	143.4	134.7	123.7	119.3
87.5°	544.7	494.9	357.5	242.0	176.8	148.3	135.2	126.5	116.6	105.1	101.3
90°	430.8	400.2	297.2	208.0	156.6	133.0	119.9	110.6	99.6	89.2	87.0
92.5°	341.6	320.2	245.8	176.8	137.9	117.7	105.6	96.3	85.4	75.0	71.7
95°	274.8	254.0	201.4	154.4	121.0	103.5	93.1	84.3	73.4	63.0	60.8
97.5°	219.5	203.1	165.3	129.7	106.2	92.0	82.7	73.4	62.4	53.1	52.0
100°	171.9	162.0	136.9	111.7	93.6	81.6	72.8	64.6	53.6	44.3	43.8
102.5°	137.4	131.9	113.9	96.3	82.1	72.3	65.1	56.4	46.5	37.8	37.2
105°	110.6	107.3	94.7	82.7	72.8	64.6	58.0	49.3	39.4	32.3	32.3
107.5°	89.8	87.0	79.4	70.6	64.0	58.0	50.9	43.2	33.9	27.9	27.9
110°	73.4	72.3	67.3	61.3	56.4	51.5	44.9	37.2	29.0	24.6	24.6



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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	61.3	60.8	56.9	53.6	49.8	45.4	40.0	32.8	25.2	21.3	21.9
115°	50.9	50.9	48.7	46.5	43.8	40.5	35.0	27.9	21.3	19.2	19.2
117.5°	43.2	42.7	42.2	40.5	38.9	35.6	30.1	24.1	18.1	17.0	17.5
120°	37.2	37.2	36.1	35.6	33.9	30.7	26.3	20.3	15.3	15.3	15.3
122.5°	31.7	32.3	31.2	30.7	29.6	27.4	22.4	17.0	13.7	13.1	13.7
125°	27.9	27.9	27.4	26.8	25.7	23.0	19.2	14.2	11.5	12.0	12.0
127.5°	23.5	24.1	23.5	23.0	22.4	19.7	15.9	11.5	9.9	10.4	10.4
130°	20.8	20.8	20.3	19.7	18.6	16.4	13.1	9.3	8.8	9.3	9.3
132.5°	17.5	17.5	17.5	16.4	15.3	13.7	10.4	7.7	7.1	8.2	8.2
135°	14.8	14.8	14.8	13.7	12.6	10.4	7.7	6.0	6.0	7.1	7.1
137.5°	12.0	12.6	12.0	10.9	9.9	8.2	6.0	4.4	4.9	6.0	6.0
140°	9.9	9.9	9.3	8.8	7.1	5.5	3.8	3.3	4.4	4.9	4.9
142.5°	7.7	7.7	7.1	6.0	4.9	3.8	2.2	2.2	3.3	3.8	3.8
145°	5.5	5.5	4.9	3.8	2.7	1.6	0.5	1.1	2.2	2.7	2.7
147.5°	3.3	3.3	3.3	2.7	1.6	0.5	0.0	0.5	1.1	1.6	1.6
150°	2.2	2.2	2.2	1.6	1.1	0.0	0.0	0.0	0.5	1.1	1.1
152.5°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.5	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

(END OF REPORT)