

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: P415485

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-730-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5537 lumens  
Efficiency: N/A  
Efficacy: 102.5 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): 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

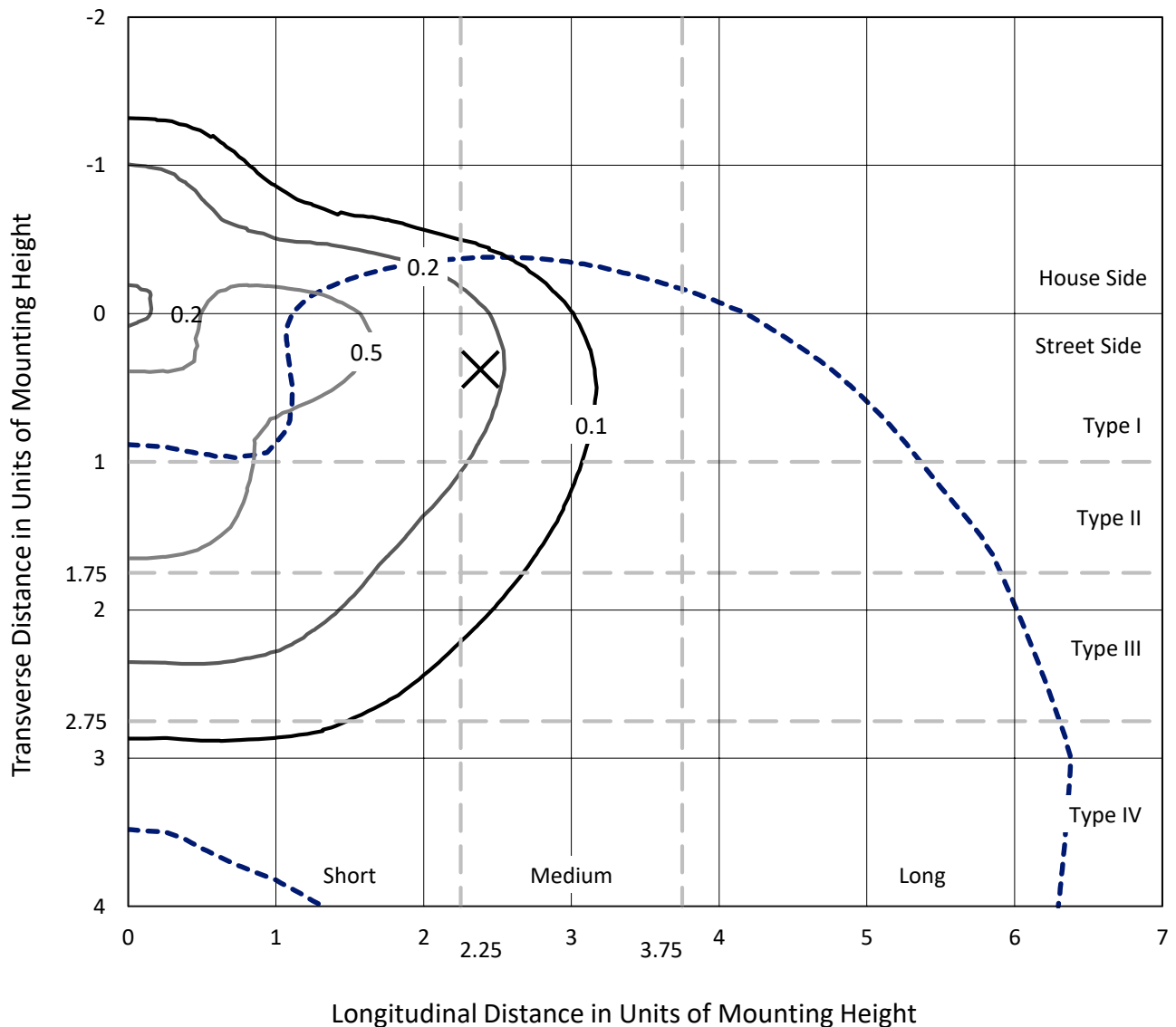


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

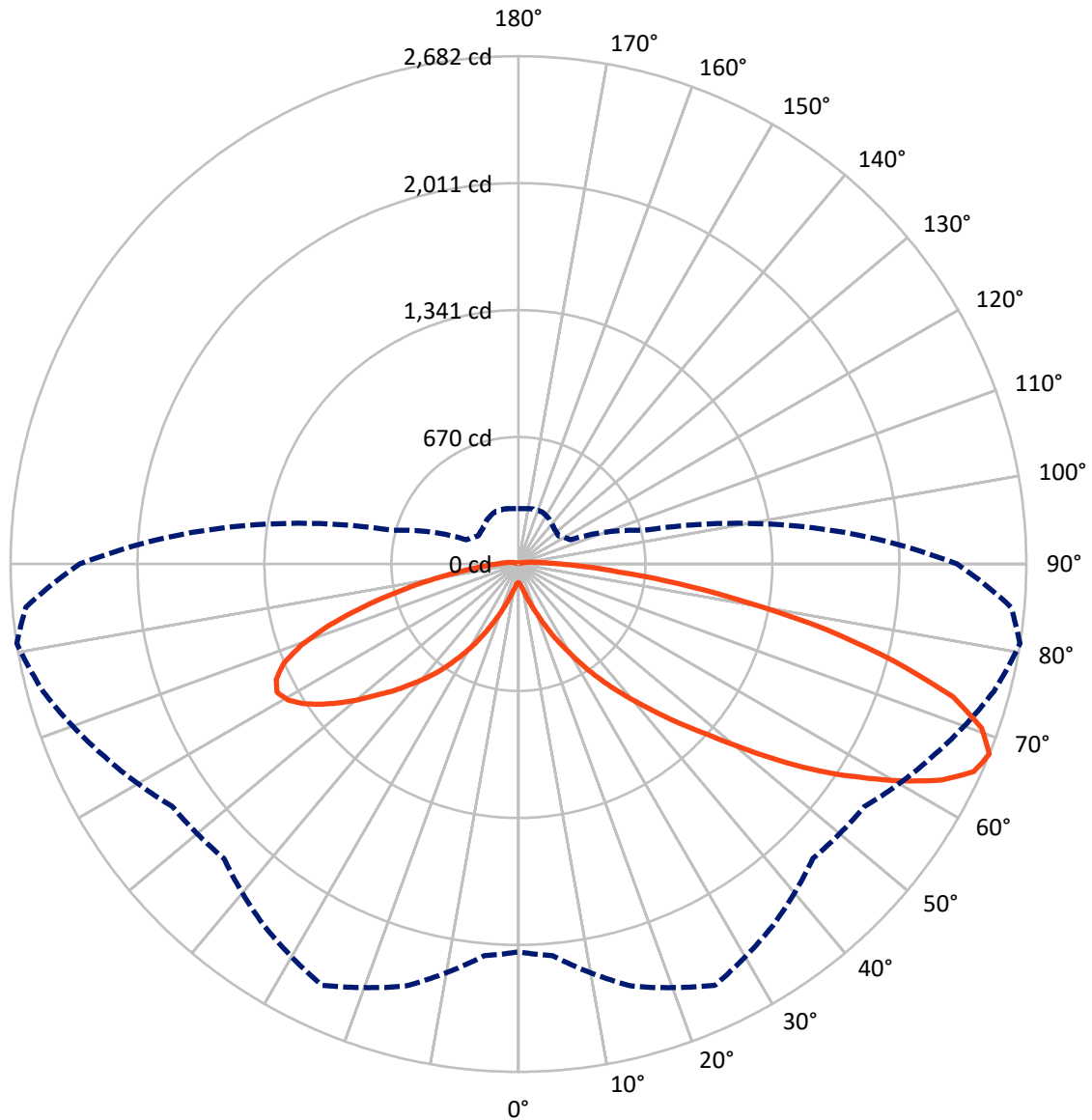


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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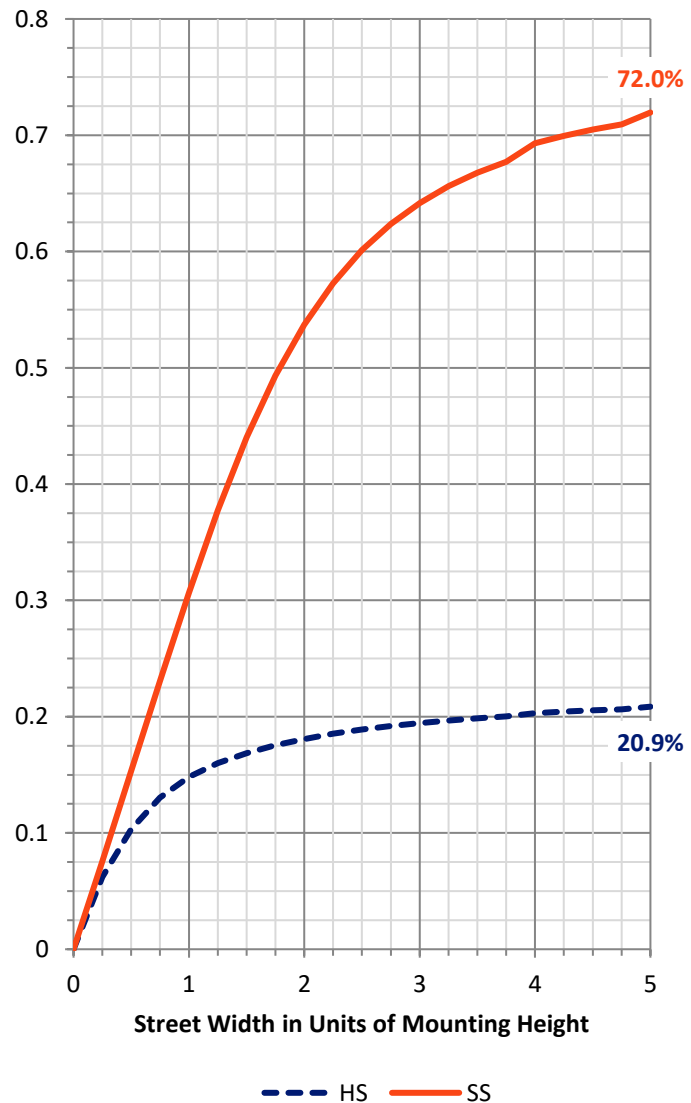
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1212.0	86.2	1298.2
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	4130.4	108.4	4238.7
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	5342.4	194.6	5537.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	57.2	1.0
20°-30°	170.5	3.1
30°-40°	370.1	6.7
40°-50°	649.1	11.7
50°-60°	1028.6	18.6
60°-70°	1388.1	25.1
70°-80°	1191.0	21.5
80°-90°	476.5	8.6
90°-100°	116.0	2.1
100°-110°	40.7	0.7
110°-120°	18.7	0.3
120°-130°	10.1	0.2
130°-140°	5.6	0.1
140°-150°	2.6	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5342.4	96.5
0°-180°	5537.0	100.0



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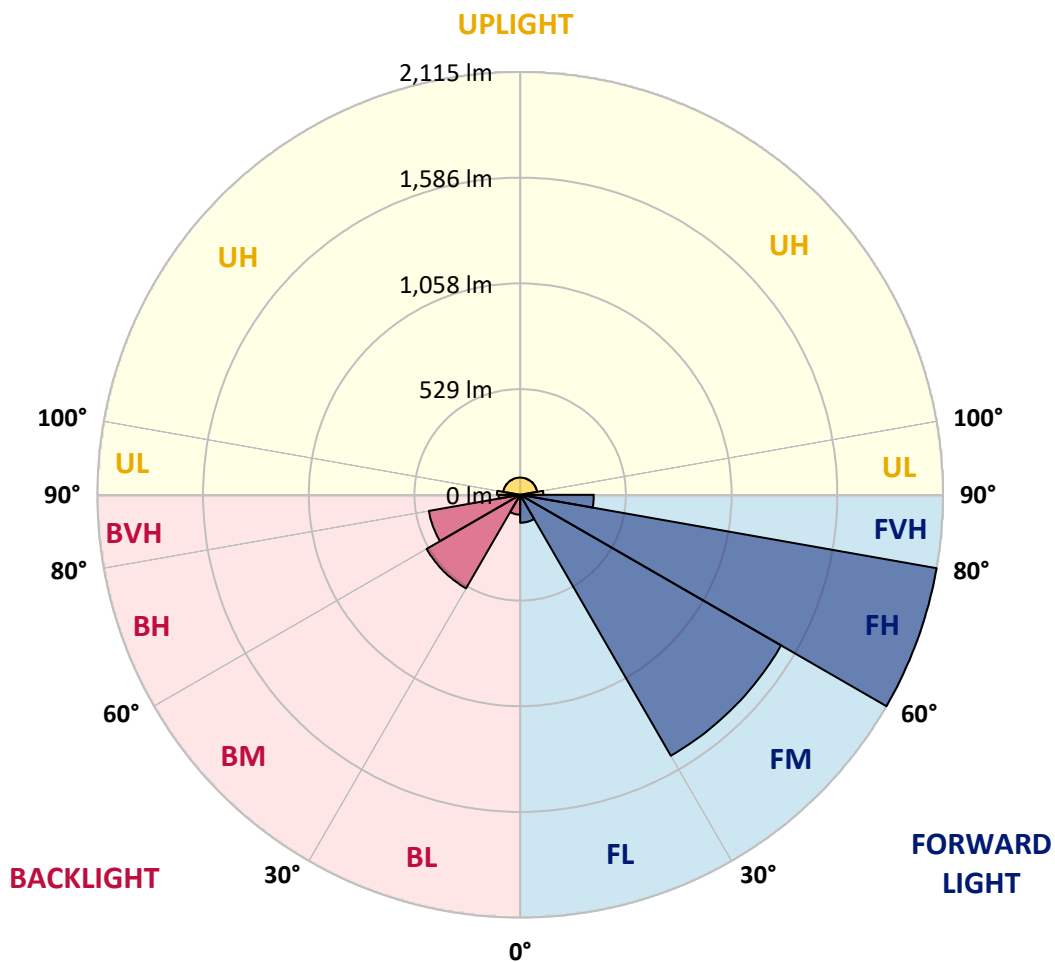
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.7	2.5			
FM	(30°-60°)	1507.1	27.2			
FH	(60°-80°)	2115.3	38.2			G2/5000
FVH	(80°-90°)	368.3	6.7			G3/500
BL	(0°-30°)	99.4	1.8	B0/110		
BM	(30°-60°)	540.7	9.8	B1/1000		
BH	(60°-80°)	463.7	8.4	B1/500		G1/500
BVH	(80°-90°)	108.2	2.0			G2/225
UL	(90°-100°)	116.0	2.1		U3/500	
UH	(100°-180°)	86.2	1.6		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°	75°	81°	85°
0°	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2.5°	108.7	108.0	108.0	108.7	108.7	108.7	106.7	104.8	102.9	102.2	101.6
5°	123.5	122.2	122.2	122.2	121.5	119.6	117.0	114.5	111.9	110.6	109.3
7.5°	142.8	142.1	141.5	139.5	138.9	135.7	131.8	128.0	124.1	122.8	121.5
10°	169.1	168.5	165.3	164.6	161.4	158.2	152.4	146.6	141.5	139.5	137.6
12.5°	202.6	202.6	198.1	192.9	189.1	182.6	177.5	170.4	166.6	164.0	161.4
15°	246.3	243.7	237.9	232.1	221.9	214.1	206.4	202.6	200.0	196.8	192.9
17.5°	294.5	291.3	286.2	274.6	261.1	250.2	243.1	239.2	237.9	236.0	231.5
20°	352.4	348.5	341.5	323.5	308.7	293.9	285.5	283.6	284.9	281.7	277.2
22.5°	421.2	418.6	403.8	381.3	360.8	340.2	332.5	333.8	336.3	340.8	338.3
25°	499.7	493.2	479.1	446.9	412.9	392.9	385.2	391.0	402.6	409.0	403.8
27.5°	591.0	587.1	558.8	517.0	472.7	445.6	439.9	456.6	476.5	481.7	481.7
30°	687.4	690.0	648.9	599.3	543.4	506.1	499.0	522.8	556.9	560.1	568.5
32.5°	809.6	805.1	762.0	681.0	614.8	566.5	562.0	595.5	638.6	655.3	655.3
35°	937.6	933.1	880.4	784.5	692.6	630.2	633.4	668.8	727.3	748.5	751.7
37.5°	1084.9	1070.1	1012.8	893.9	777.5	704.2	698.4	751.7	820.6	850.8	850.8
40°	1246.9	1238.6	1158.8	1018.0	864.3	780.7	776.2	837.9	921.5	955.0	961.4
42.5°	1404.5	1393.5	1319.6	1138.2	964.6	861.7	862.4	929.9	1025.7	1072.0	1080.4
45°	1571.0	1560.7	1479.7	1286.1	1073.3	962.0	954.3	1038.6	1153.0	1204.5	1214.1
47.5°	1718.9	1711.9	1641.8	1433.4	1208.3	1069.4	1059.1	1156.2	1288.7	1345.9	1374.9
50°	1879.7	1870.7	1805.1	1590.3	1342.7	1183.9	1183.2	1287.4	1453.3	1522.8	1546.6
52.5°	2010.2	1999.9	1954.3	1747.9	1475.8	1317.7	1306.7	1434.7	1623.8	1723.4	1735.0
55°	2130.5	2126.6	2111.2	1917.0	1637.9	1448.8	1455.9	1607.7	1818.0	1930.5	1947.9
57.5°	2217.3	2222.5	2229.5	2086.8	1796.7	1595.5	1608.3	1781.3	2019.9	2124.7	2148.5
60°	2276.5	2294.5	2341.4	2234.7	1958.8	1755.6	1777.4	1953.0	2214.1	2326.0	2345.3
62.5°	2281.0	2300.3	2409.6	2372.9	2114.4	1919.6	1944.6	2129.8	2387.7	2511.8	2513.8
65°	2195.4	2221.8	2396.7	2447.5	2251.4	2076.5	2099.0	2287.4	2533.1	2643.0	2603.1
67.5°	2048.2	2075.8	2307.3	2454.0	2336.3	2198.7	2230.8	2409.6	2598.6	2681.6	2610.9
70°	1834.7	1861.7	2105.4	2356.9	2351.7	2270.7	2313.1	2459.7	2586.4	2594.8	2495.1
72.5°	1554.3	1551.7	1814.7	2144.6	2266.2	2264.9	2332.4	2421.8	2446.9	2399.9	2252.0
75°	1190.3	1223.8	1463.6	1837.9	2071.3	2162.6	2230.8	2264.9	2192.9	2047.5	1887.4
77.5°	852.7	880.4	1098.4	1448.8	1781.9	1950.4	2025.7	2009.6	1830.8	1660.4	1476.5
80°	564.6	580.7	762.7	1081.6	1436.6	1632.1	1722.8	1661.1	1434.0	1216.0	1057.2
82.5°	338.9	365.3	479.7	760.1	1065.6	1290.0	1345.3	1242.4	1023.8	846.3	729.9
85°	205.1	210.9	298.4	486.2	744.0	928.0	980.7	870.1	673.3	528.6	438.6
87.5°	115.1	125.4	184.6	316.4	500.3	644.4	663.0	573.0	422.5	328.0	274.6
90°	67.5	74.6	113.2	196.1	319.0	416.7	421.9	346.6	250.2	197.4	175.6
92.5°	43.1	48.2	75.2	126.0	205.1	270.7	263.7	214.1	160.1	131.8	113.8
95°	30.9	33.4	52.7	86.8	137.6	170.4	167.8	134.4	107.4	92.0	83.6
97.5°	23.2	25.7	41.2	63.7	92.6	114.5	111.9	89.4	74.6	67.5	64.3
100°	19.3	20.6	33.4	50.2	68.8	82.3	81.0	66.2	55.9	50.8	49.5
102.5°	16.7	18.0	27.7	40.5	54.7	63.7	61.1	51.4	42.4	37.9	36.7
105°	14.8	15.4	23.8	34.7	45.0	50.2	49.5	41.2	32.8	28.3	27.7
107.5°	13.5	14.1	20.6	29.6	37.9	42.4	41.2	33.4	25.1	21.9	21.2
110°	12.2	12.9	18.0	25.7	32.2	36.0	34.1	27.7	19.9	16.7	16.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	11.6	11.6	16.1	21.9	27.7	30.9	28.9	22.5	15.4	13.5	14.1
115°	10.9	10.9	14.1	19.3	24.4	27.0	24.4	18.6	12.9	11.6	11.6
117.5°	10.3	10.3	12.9	17.4	21.9	23.8	21.2	16.1	10.9	9.6	10.3
120°	9.6	10.3	12.2	15.4	19.3	20.6	18.6	13.5	9.0	9.0	9.6
122.5°	9.6	9.6	11.6	14.1	17.4	18.0	16.1	11.6	8.4	8.4	8.4
125°	9.6	9.6	10.9	12.9	15.4	16.1	13.5	9.6	7.7	7.7	7.7
127.5°	9.6	9.6	10.3	12.2	13.5	14.1	12.2	9.0	7.1	7.1	7.7
130°	9.0	9.6	9.6	10.9	12.2	12.2	10.3	7.7	6.4	6.4	7.1
132.5°	9.0	9.0	9.6	10.3	10.9	10.9	9.0	7.1	5.8	6.4	6.4
135°	9.0	9.0	9.0	9.6	10.3	9.6	7.7	5.8	5.1	5.8	5.8
137.5°	8.4	8.4	8.4	9.0	9.0	8.4	7.1	5.1	5.1	5.1	5.1
140°	7.7	7.7	7.7	7.7	8.4	7.7	5.8	4.5	4.5	4.5	4.5
142.5°	7.1	7.1	7.1	7.1	7.1	6.4	5.1	3.9	3.9	3.9	3.9
145°	6.4	6.4	6.4	6.4	5.8	5.1	3.9	3.2	3.2	3.9	3.9
147.5°	5.1	5.1	5.1	5.1	5.1	4.5	3.2	2.6	3.2	3.2	3.2
150°	4.5	4.5	4.5	4.5	3.9	3.9	2.6	2.6	2.6	3.2	3.2
152.5°	3.2	3.2	3.2	3.9	3.2	2.6	1.9	1.9	2.6	2.6	2.6
155°	2.6	2.6	2.6	2.6	2.6	1.9	1.3	1.9	2.6	2.6	2.6
157.5°	1.3	1.9	1.9	1.9	1.9	1.9	1.3	1.9	1.9	1.9	1.9
160°	0.6	0.6	1.3	1.3	1.9	1.9	1.3	1.3	1.9	1.9	1.9
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°	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2.5°	101.6	101.0	100.3	99.7	99.0	99.0	98.4	97.7	97.1	96.5	96.5
5°	108.7	107.4	105.5	104.2	102.9	102.9	101.6	101.0	99.7	99.0	99.0
7.5°	119.6	119.0	115.1	113.2	111.3	110.6	109.3	108.0	106.7	106.7	106.7
10°	135.7	133.8	130.5	125.4	123.5	122.2	120.3	119.0	119.0	119.6	119.6
12.5°	160.1	155.0	150.5	143.4	139.5	137.0	135.7	136.3	139.5	140.8	139.5
15°	188.4	187.1	176.2	165.9	158.2	153.1	156.3	160.1	164.6	165.9	167.8
17.5°	227.6	223.1	208.4	193.6	179.4	176.8	180.7	187.1	192.3	196.1	199.4
20°	274.6	266.9	248.9	223.1	207.1	203.2	205.8	214.8	224.4	232.1	232.8
22.5°	333.8	322.2	290.0	257.9	234.1	227.6	230.9	245.0	259.2	268.8	268.2
25°	398.1	383.9	340.8	294.5	261.7	250.2	255.9	274.6	294.5	306.1	307.4
27.5°	470.1	455.9	396.1	329.9	286.8	269.4	279.1	300.3	327.3	341.5	344.0
30°	555.0	535.7	451.4	367.8	310.0	287.5	296.5	324.1	353.7	373.6	376.2
32.5°	643.1	612.8	506.7	398.7	326.0	299.0	309.3	341.5	375.6	397.4	401.3
35°	734.4	697.1	562.7	425.1	337.6	306.1	316.4	352.4	388.4	412.2	415.4
37.5°	837.3	787.8	613.5	445.0	344.0	308.0	318.3	354.3	391.0	414.1	417.4
40°	940.8	874.6	655.9	457.2	344.7	306.1	314.5	349.2	383.9	403.8	407.1
42.5°	1052.1	965.9	698.4	460.4	341.5	301.0	308.0	338.9	368.5	383.9	385.8
45°	1176.8	1071.4	734.4	457.9	332.5	293.2	298.4	324.8	347.9	355.0	358.2
47.5°	1308.6	1175.5	762.0	450.1	323.5	284.9	288.1	310.0	324.8	325.4	326.0
50°	1469.4	1302.2	796.1	439.2	311.2	277.2	279.1	296.5	303.5	300.3	299.0
52.5°	1645.6	1437.9	818.0	421.9	300.3	270.1	272.0	285.5	288.1	281.0	281.7
55°	1837.3	1564.6	836.6	405.1	288.7	265.6	269.4	280.4	280.4	271.4	270.7
57.5°	2016.0	1693.8	845.0	383.9	279.1	262.4	268.8	279.7	278.4	270.1	269.4
60°	2189.0	1799.3	834.7	363.3	272.7	261.1	272.7	284.2	283.0	275.9	275.2
62.5°	2308.6	1865.5	809.0	342.8	266.9	263.0	277.2	290.7	290.7	283.0	283.0
65°	2360.1	1857.8	756.3	322.2	262.4	264.3	283.6	297.7	296.5	290.0	288.7
67.5°	2317.0	1787.7	685.5	302.2	258.5	265.6	286.8	301.6	300.3	293.2	292.0
70°	2178.7	1640.5	600.0	284.2	253.4	263.7	288.1	301.0	299.0	292.6	290.0
72.5°	1903.5	1411.5	510.6	266.9	245.7	259.2	284.2	295.8	293.9	288.7	285.5
75°	1567.8	1138.2	421.9	247.6	236.0	250.8	275.9	286.2	283.6	279.1	275.9
77.5°	1198.7	859.8	348.5	229.6	224.4	239.9	264.3	272.0	269.4	265.6	263.7
80°	848.2	612.2	280.4	209.6	207.7	223.1	243.7	252.1	250.8	246.9	243.7
82.5°	558.2	407.1	223.8	187.1	188.4	204.5	219.9	224.4	223.8	220.6	216.7
85°	344.0	268.2	176.2	161.4	167.2	180.1	192.9	193.6	191.6	191.0	185.2
87.5°	219.3	183.3	138.3	137.0	145.3	156.3	162.1	159.5	160.8	160.8	156.3
90°	142.8	128.6	110.6	114.5	123.5	131.8	134.4	127.3	131.2	129.3	127.3
92.5°	103.5	95.8	90.0	95.2	104.2	111.9	110.6	102.9	104.8	104.8	104.2
95°	78.5	74.6	75.2	80.4	87.5	92.6	90.0	83.6	84.2	83.0	81.0
97.5°	61.7	61.1	63.7	67.5	74.0	77.2	74.6	68.8	68.2	66.2	65.6
100°	48.9	49.5	53.4	57.9	61.7	64.3	62.4	56.6	54.0	50.8	50.2
102.5°	37.9	39.2	44.4	48.2	52.1	54.0	52.1	47.6	43.1	39.9	39.2
105°	29.6	30.9	36.7	40.5	43.7	45.0	43.7	38.6	34.1	30.2	30.2
107.5°	23.2	24.4	30.2	34.7	36.7	37.9	36.0	32.2	27.0	23.8	23.8
110°	18.6	19.9	25.1	28.9	30.9	32.2	30.2	25.7	21.9	19.3	19.3



REPORT NUMBER: P415485

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.8	16.7	20.6	24.4	26.4	27.0	25.1	21.9	17.4	16.1	16.1
115°	12.9	14.1	17.4	20.6	22.5	22.5	21.2	18.0	14.1	13.5	13.5
117.5°	10.9	12.2	14.8	18.0	19.3	19.3	18.0	14.8	12.2	11.6	11.6
120°	10.3	10.9	12.9	15.4	16.7	16.7	15.4	12.9	10.3	10.3	10.3
122.5°	9.0	9.6	11.6	13.5	14.8	14.8	13.5	10.9	9.0	9.6	9.6
125°	8.4	9.0	10.3	11.6	12.9	12.9	11.6	9.6	8.4	8.4	8.4
127.5°	7.7	8.4	9.0	10.3	10.9	10.9	10.3	8.4	7.7	7.7	7.7
130°	7.1	7.7	8.4	9.0	9.6	9.6	8.4	7.1	7.1	7.1	7.1
132.5°	7.1	7.1	7.1	7.7	8.4	8.4	7.7	6.4	6.4	6.4	6.4
135°	6.4	6.4	6.4	6.4	7.1	7.1	6.4	5.8	5.8	5.8	5.8
137.5°	5.8	5.8	5.8	5.8	6.4	6.4	5.8	5.1	5.1	5.1	5.1
140°	5.1	5.1	5.1	4.5	5.1	5.1	4.5	4.5	4.5	4.5	4.5
142.5°	3.9	4.5	3.9	3.9	3.9	3.9	3.9	3.2	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.2	3.2	3.2	3.2	2.6	3.2	3.2	3.2
147.5°	3.2	3.2	3.2	2.6	1.9	2.6	1.9	2.6	2.6	2.6	2.6
150°	3.2	3.2	2.6	2.6	1.9	1.3	1.3	1.9	1.9	1.9	1.9
152.5°	2.6	2.6	2.6	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
155°	2.6	2.6	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	1.9	1.9	1.9	1.3	1.3	0.6	0.0	0.6	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.3	0.6	0.6	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)