

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: P417131

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417131  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-730-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8484 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 94  
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

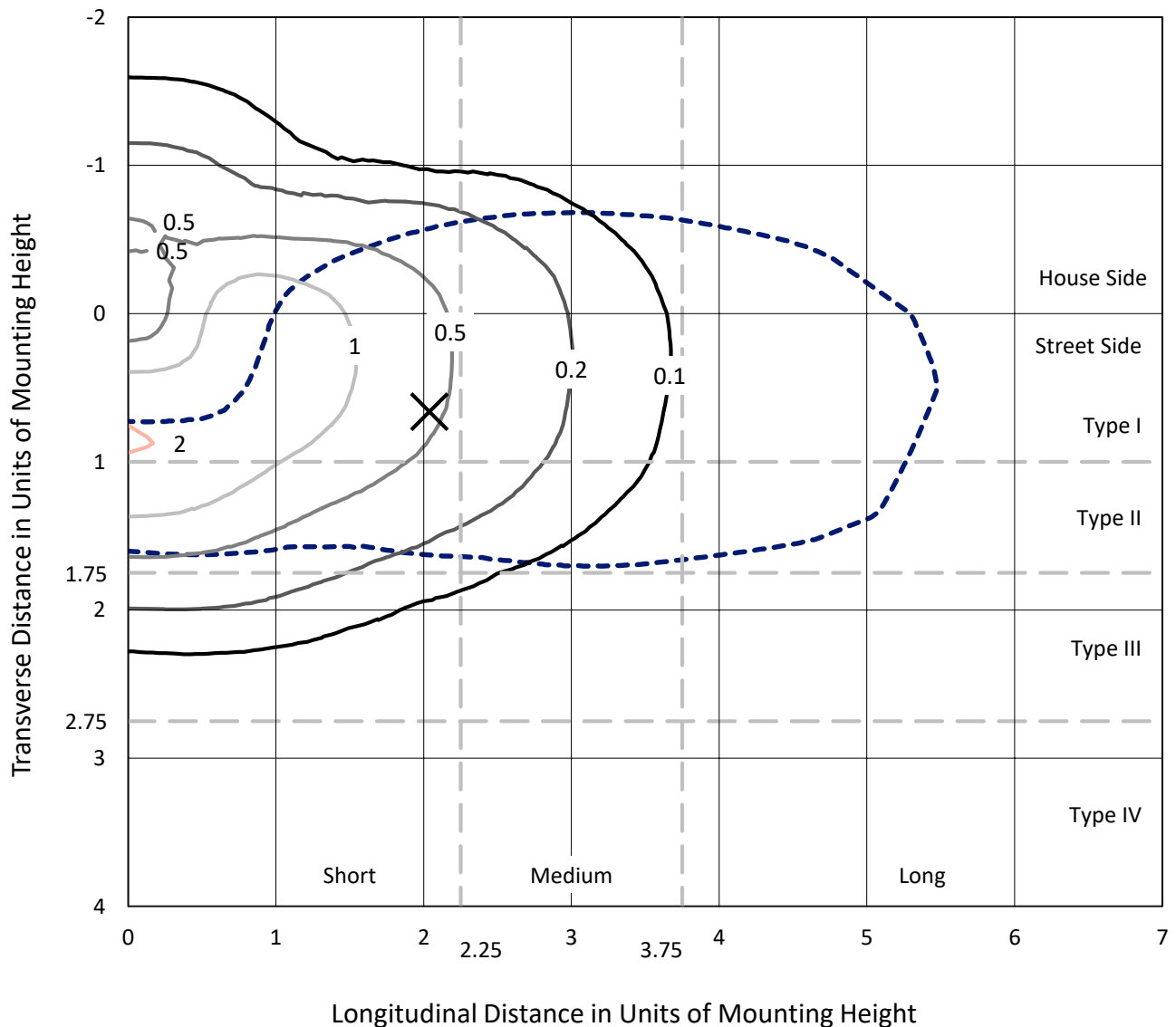


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

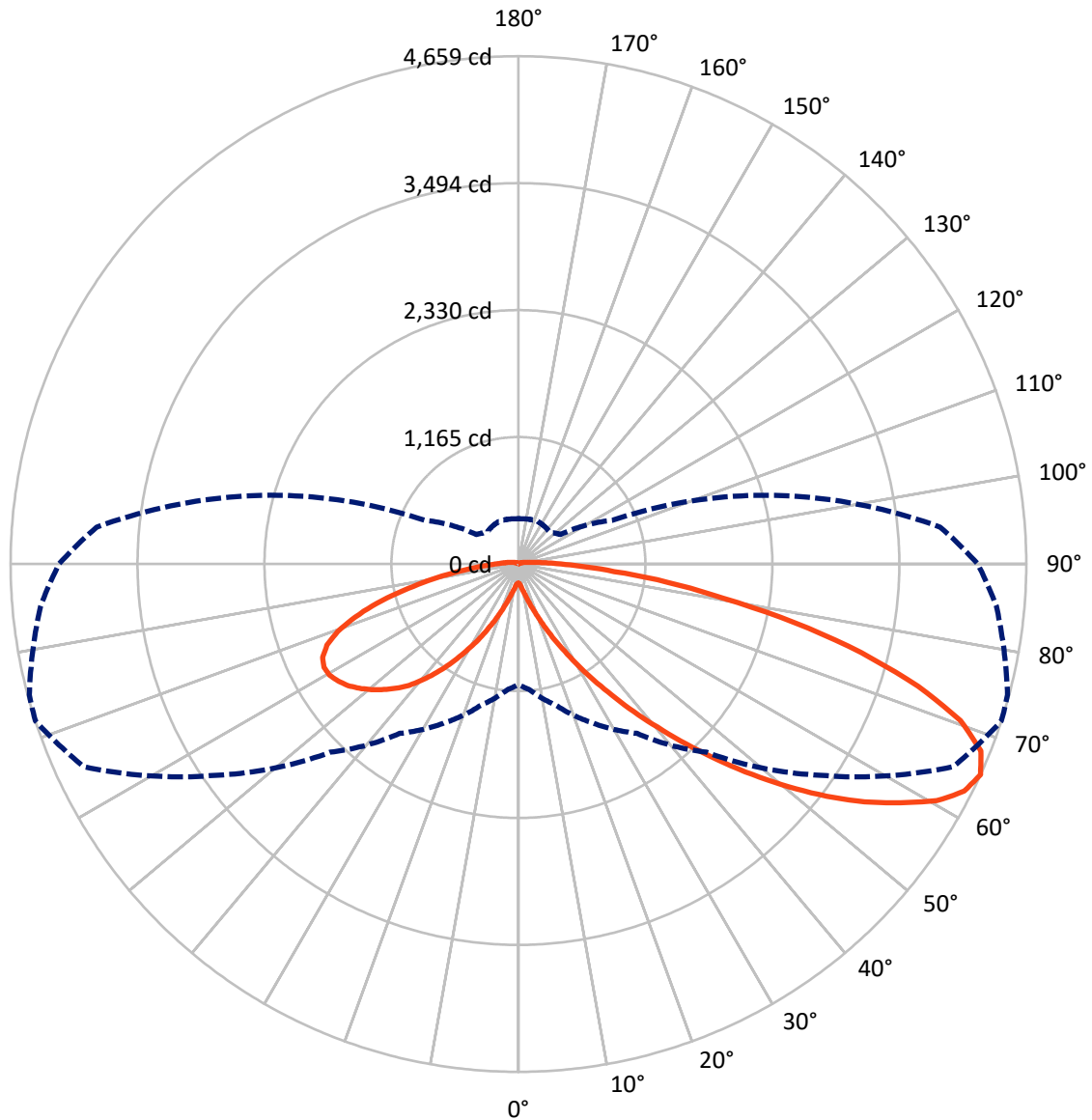


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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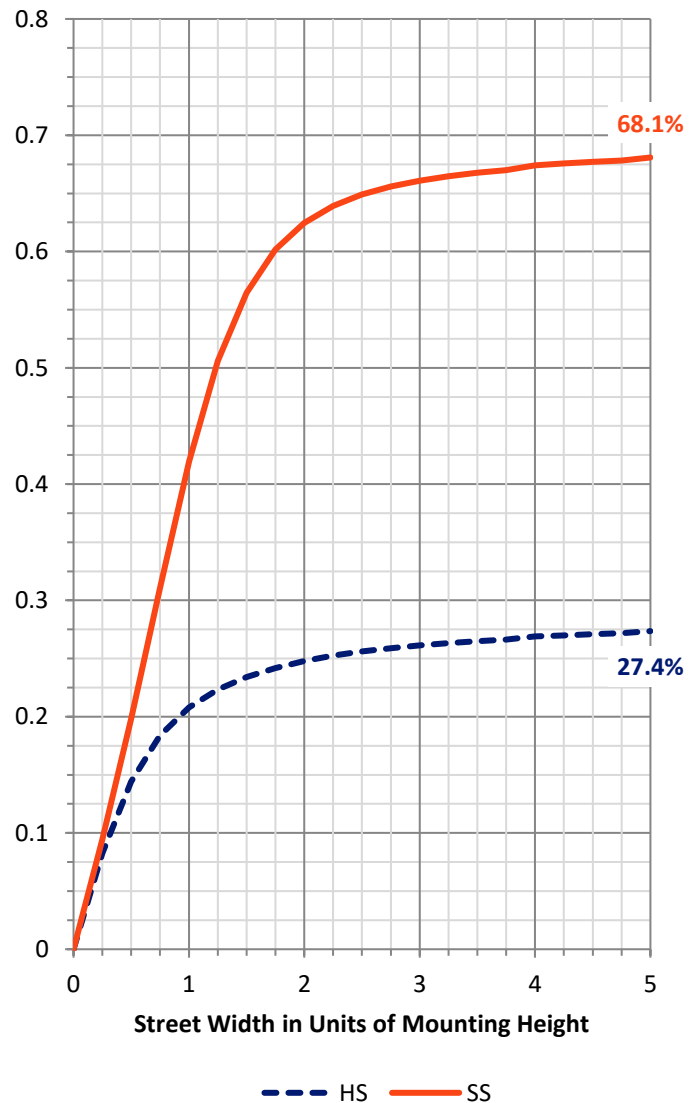
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2392.0	120.4	2512.4
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	5854.3	117.3	5971.6
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	8246.3	237.7	8484.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.2	0.2
10°-20°	102.6	1.2
20°-30°	325.1	3.8
30°-40°	779.0	9.2
40°-50°	1438.3	17.0
50°-60°	1959.9	23.1
60°-70°	1910.9	22.5
70°-80°	1247.9	14.7
80°-90°	462.3	5.4
90°-100°	128.5	1.5
100°-110°	53.9	0.6
110°-120°	27.1	0.3
120°-130°	15.4	0.2
130°-140°	8.6	0.1
140°-150°	3.5	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8246.3	97.2
0°-180°	8484.0	100.0



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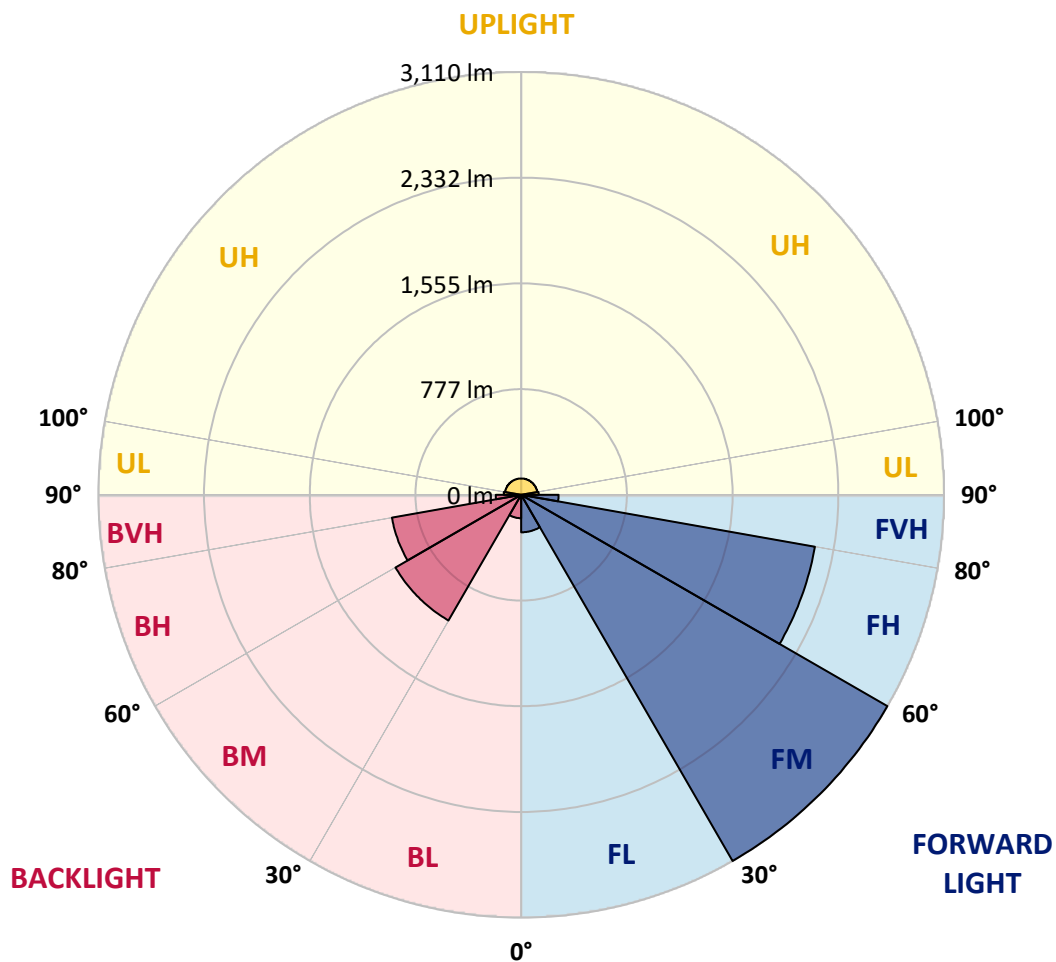
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.6	3.2			
FM (30°-60°)	3109.7	36.7			
FH (60°-80°)	2193.7	25.9			G2/5000
FVH (80°-90°)	275.2	3.2			G3/500
BL (0°-30°)	172.2	2.0	B1/500		
BM (30°-60°)	1067.6	12.6	B2/2500		
BH (60°-80°)	965.1	11.4	B2/1000		G2/1000
BVH (80°-90°)	187.1	2.2			G2/225
UL (90°-100°)	128.5	1.5		U3/500	
UH (100°-180°)	120.4	1.4		U3/500	

**BUG Rating: B2-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
2.5°	195.4	194.4	192.5	191.5	191.5	189.5	187.6	184.6	182.6	181.7	179.7
5°	220.9	219.0	217.0	215.0	213.1	210.1	205.2	202.3	198.4	197.4	193.4
7.5°	257.3	255.3	249.4	247.4	244.5	240.6	234.7	228.8	224.9	221.9	216.0
10°	305.4	303.4	299.5	294.6	288.7	280.8	271.0	265.1	255.3	257.3	248.4
12.5°	371.2	366.3	361.4	353.5	341.7	332.9	319.1	313.2	302.4	302.4	291.6
15°	450.7	449.7	439.9	423.2	412.4	393.8	382.0	369.2	362.3	362.3	353.5
17.5°	553.8	546.9	539.1	516.5	492.0	469.4	453.7	444.8	437.0	435.0	423.2
20°	681.5	671.6	659.9	619.6	590.1	562.7	540.1	533.2	527.3	526.3	516.5
22.5°	843.5	822.9	801.3	762.0	714.9	666.7	651.0	635.3	636.3	638.3	615.7
25°	1023.2	1017.3	979.0	923.0	861.2	808.1	764.9	759.0	764.9	761.0	752.2
27.5°	1253.9	1234.3	1186.2	1114.5	1016.3	954.4	908.3	904.4	905.4	910.3	895.5
30°	1523.0	1513.2	1452.3	1332.5	1205.8	1123.3	1073.3	1066.4	1078.2	1079.2	1056.6
32.5°	1840.2	1820.5	1727.2	1593.7	1420.9	1315.8	1258.9	1256.9	1269.7	1272.6	1254.9
35°	2161.3	2151.4	2059.1	1867.7	1678.1	1519.1	1461.1	1465.1	1473.9	1491.6	1471.0
37.5°	2531.5	2504.9	2386.1	2183.8	1944.2	1753.8	1691.9	1705.6	1719.4	1719.4	1690.9
40°	2881.0	2871.2	2746.5	2492.2	2205.4	2028.7	1960.9	1968.8	1967.8	1968.8	1931.5
42.5°	3205.1	3171.7	3061.7	2791.7	2496.1	2316.4	2234.9	2247.7	2259.5	2268.3	2174.0
45°	3424.0	3395.6	3298.4	3032.2	2771.0	2601.2	2548.1	2548.1	2561.9	2558.0	2464.7
47.5°	3501.6	3497.7	3425.0	3222.7	2983.1	2851.6	2854.5	2865.3	2885.9	2867.3	2733.7
50°	3465.3	3449.6	3436.8	3323.9	3158.9	3096.1	3155.0	3210.0	3211.9	3178.6	3008.7
52.5°	3237.5	3239.4	3304.2	3283.6	3208.0	3271.8	3451.5	3548.7	3539.9	3507.5	3303.3
55°	2890.8	2906.6	3019.5	3105.9	3152.0	3328.8	3671.5	3872.8	3853.1	3808.0	3600.8
57.5°	2429.3	2480.4	2631.6	2820.1	2985.1	3275.8	3791.3	4153.6	4133.0	4133.0	3897.3
60°	1938.4	1979.6	2202.5	2432.3	2692.5	3097.1	3803.1	4359.8	4409.9	4378.5	4107.5
62.5°	1503.4	1521.0	1751.8	2041.5	2320.3	2796.6	3667.6	4458.0	4590.6	4564.1	4296.0
65°	1106.7	1156.7	1343.3	1608.4	1897.1	2442.1	3377.9	4400.1	4659.3	4645.6	4400.1
67.5°	822.9	845.5	1001.6	1247.1	1532.8	2001.2	2955.7	4146.7	4576.8	4588.6	4384.4
70°	616.7	622.6	744.3	946.6	1190.1	1579.0	2463.7	3742.2	4302.9	4355.9	4244.0
72.5°	466.4	477.2	578.4	737.4	918.1	1215.6	1947.2	3192.3	3835.5	3967.1	3924.8
75°	365.3	378.0	447.8	570.5	709.9	920.1	1473.9	2542.3	3249.3	3419.1	3466.3
77.5°	288.7	302.4	361.4	455.6	553.8	709.9	1083.1	1902.0	2595.3	2765.2	2902.6
80°	226.8	236.6	288.7	358.4	436.0	524.4	759.0	1382.6	1906.0	2118.1	2243.7
82.5°	172.8	183.6	223.9	282.8	341.7	400.6	542.0	940.7	1382.6	1478.8	1692.9
85°	125.7	135.5	168.9	217.0	263.2	310.3	396.7	627.5	880.8	995.7	1103.7
87.5°	92.3	96.2	125.7	161.0	202.3	234.7	285.7	400.6	559.7	616.7	707.0
90°	64.8	68.7	92.3	118.8	153.2	183.6	210.1	265.1	348.6	399.7	416.3
92.5°	48.1	51.1	68.7	89.4	117.8	142.4	159.1	187.6	226.8	248.4	262.2
95°	36.3	39.3	54.0	70.7	91.3	111.9	124.7	135.5	158.1	164.0	175.8
97.5°	29.5	31.4	44.2	57.9	73.6	92.3	99.2	105.1	112.9	118.8	123.7
100°	25.5	26.5	37.3	49.1	62.8	74.6	80.5	83.5	88.4	90.3	92.3
102.5°	22.6	22.6	32.4	42.2	54.0	62.8	67.8	67.8	68.7	69.7	68.7
105°	19.6	20.6	28.5	37.3	46.2	54.0	57.9	56.0	55.0	54.0	51.1
107.5°	18.7	18.7	25.5	33.4	41.2	47.1	50.1	46.2	44.2	42.2	39.3
110°	16.7	17.7	22.6	29.5	36.3	41.2	43.2	39.3	35.3	33.4	30.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	15.7	16.7	20.6	26.5	32.4	37.3	37.3	33.4	28.5	26.5	24.5
115°	15.7	15.7	18.7	23.6	29.5	33.4	33.4	28.5	23.6	21.6	20.6
117.5°	15.7	15.7	17.7	21.6	26.5	29.5	29.5	24.5	19.6	17.7	17.7
120°	14.7	14.7	16.7	19.6	24.5	26.5	25.5	21.6	16.7	15.7	15.7
122.5°	14.7	14.7	15.7	18.7	22.6	24.5	23.6	18.7	14.7	12.8	13.7
125°	15.7	14.7	15.7	17.7	20.6	21.6	20.6	15.7	12.8	11.8	12.8
127.5°	15.7	15.7	14.7	16.7	18.7	19.6	18.7	13.7	10.8	10.8	11.8
130°	15.7	15.7	14.7	15.7	16.7	17.7	15.7	11.8	9.8	9.8	10.8
132.5°	15.7	15.7	14.7	14.7	15.7	15.7	13.7	9.8	8.8	8.8	9.8
135°	15.7	15.7	13.7	13.7	13.7	13.7	11.8	8.8	7.9	7.9	8.8
137.5°	14.7	14.7	13.7	12.8	12.8	11.8	9.8	6.9	5.9	6.9	7.9
140°	13.7	13.7	12.8	10.8	10.8	9.8	7.9	5.9	4.9	5.9	5.9
142.5°	12.8	12.8	11.8	9.8	8.8	7.9	6.9	3.9	3.9	3.9	4.9
145°	11.8	11.8	10.8	7.9	6.9	5.9	4.9	2.9	2.9	2.9	3.9
147.5°	9.8	9.8	8.8	6.9	4.9	4.9	2.9	2.0	2.9	2.9	2.9
150°	7.9	7.9	6.9	4.9	3.9	2.9	1.0	2.0	2.0	2.0	2.9
152.5°	6.9	6.9	4.9	3.9	2.0	1.0	1.0	1.0	2.0	2.0	2.0
155°	4.9	4.9	3.9	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
157.5°	2.9	2.9	2.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	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°	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
2.5°	177.7	177.7	176.7	175.8	174.8	173.8	171.8	170.9	170.9	169.9	169.9
5°	191.5	190.5	187.6	184.6	180.7	178.7	175.8	173.8	172.8	171.8	171.8
7.5°	213.1	211.1	205.2	200.3	195.4	191.5	186.6	183.6	182.6	179.7	180.7
10°	243.5	240.6	233.7	224.9	216.0	210.1	203.3	199.3	197.4	195.4	193.4
12.5°	287.7	281.8	270.0	258.3	245.5	233.7	226.8	223.9	225.8	224.9	225.8
15°	348.6	337.8	320.1	302.4	279.9	265.1	263.2	262.2	262.2	263.2	265.1
17.5°	417.3	405.5	383.0	350.6	324.0	309.3	300.5	299.5	304.4	305.4	304.4
20°	507.7	495.9	460.5	416.3	378.0	354.5	342.7	342.7	349.6	351.5	355.5
22.5°	604.9	598.0	549.9	489.0	437.9	399.7	383.0	384.9	394.7	397.7	399.7
25°	740.4	712.9	654.0	570.5	496.9	445.8	423.2	424.2	435.0	442.9	445.8
27.5°	889.6	858.2	771.8	662.8	555.8	484.1	458.6	459.5	472.3	482.1	484.1
30°	1049.7	1018.3	905.4	754.1	610.8	518.5	484.1	485.1	499.8	510.6	512.6
32.5°	1220.6	1195.0	1036.9	852.3	658.9	542.0	500.8	501.8	514.5	524.4	526.3
35°	1436.6	1378.6	1193.1	939.7	699.1	556.8	508.6	507.7	520.4	530.2	532.2
37.5°	1649.7	1587.8	1341.3	1021.2	722.7	560.7	506.7	506.7	516.5	524.4	525.3
40°	1881.4	1778.3	1497.5	1085.0	731.5	554.8	500.8	499.8	507.7	511.6	512.6
42.5°	2130.8	2004.1	1650.6	1136.1	727.6	542.0	490.0	491.0	493.9	493.9	492.9
45°	2355.7	2227.0	1782.2	1169.5	713.9	525.3	477.2	478.2	479.2	471.3	471.3
47.5°	2619.8	2463.7	1906.0	1177.4	686.4	508.6	467.4	469.4	464.5	453.7	451.7
50°	2870.2	2696.4	2030.7	1174.4	657.9	491.0	457.6	459.5	450.7	436.0	433.0
52.5°	3149.1	2926.2	2148.5	1159.7	623.5	475.3	450.7	452.7	442.9	425.2	422.2
55°	3424.0	3169.7	2256.5	1134.1	594.1	458.6	443.8	448.7	436.0	418.3	417.3
57.5°	3686.2	3411.3	2345.9	1096.8	562.7	446.8	438.9	444.8	433.0	415.4	414.4
60°	3919.9	3616.5	2417.5	1060.5	528.3	435.0	434.0	441.9	431.1	416.3	415.4
62.5°	4083.9	3801.1	2450.0	1011.4	500.8	422.2	428.1	436.0	428.1	416.3	416.3
65°	4214.5	3883.6	2437.2	946.6	471.3	408.5	420.3	428.1	423.2	415.4	416.3
67.5°	4190.0	3881.6	2353.7	869.0	443.8	393.8	406.5	417.3	413.4	410.5	409.5
70°	4038.7	3698.0	2193.7	784.6	415.4	375.1	389.8	400.6	399.7	398.7	398.7
72.5°	3727.5	3379.9	1954.1	687.4	385.9	355.5	368.2	378.0	380.0	379.0	376.1
75°	3320.9	2941.9	1676.2	596.0	355.5	331.9	345.6	351.5	354.5	352.5	352.5
77.5°	2724.9	2452.9	1332.5	503.7	323.1	305.4	315.2	320.1	324.0	319.1	316.2
80°	2165.2	1865.7	1025.1	411.4	287.7	275.9	280.8	282.8	286.7	281.8	275.9
82.5°	1520.0	1329.6	743.3	335.8	252.4	242.5	245.5	244.5	246.5	239.6	231.7
85°	1015.3	893.6	511.6	270.0	216.0	207.2	207.2	204.2	202.3	195.4	189.5
87.5°	637.3	565.6	351.5	213.1	181.7	174.8	170.9	165.0	163.0	158.1	151.2
90°	392.8	361.4	245.5	170.9	151.2	145.3	141.4	132.6	131.6	123.7	118.8
92.5°	257.3	235.7	181.7	138.5	126.7	120.8	115.9	108.0	107.0	101.1	98.2
95°	169.9	165.0	138.5	115.9	107.0	102.1	97.2	90.3	88.4	82.5	78.6
97.5°	124.7	124.7	113.9	98.2	91.3	86.4	83.5	77.6	73.6	67.8	65.8
100°	94.3	95.2	91.3	84.4	78.6	73.6	70.7	65.8	62.8	57.0	56.0
102.5°	72.7	74.6	75.6	71.7	67.8	63.8	60.9	57.0	53.0	47.1	46.2
105°	56.0	57.9	61.9	60.9	58.9	56.0	53.0	49.1	44.2	39.3	39.3
107.5°	43.2	45.2	51.1	52.0	51.1	48.1	46.2	42.2	38.3	33.4	33.4
110°	33.4	36.3	42.2	44.2	44.2	42.2	40.3	36.3	31.4	28.5	28.5



REPORT NUMBER: P417131

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.5	30.4	35.3	38.3	38.3	37.3	34.4	30.4	26.5	24.5	24.5
115°	22.6	25.5	30.4	33.4	33.4	32.4	30.4	26.5	22.6	21.6	21.6
117.5°	19.6	21.6	25.5	28.5	29.5	28.5	26.5	22.6	19.6	19.6	19.6
120°	17.7	19.6	22.6	24.5	25.5	24.5	22.6	19.6	16.7	17.7	17.7
122.5°	15.7	16.7	19.6	22.6	22.6	22.6	20.6	16.7	14.7	15.7	15.7
125°	13.7	15.7	17.7	19.6	20.6	19.6	17.7	14.7	12.8	13.7	14.7
127.5°	12.8	13.7	15.7	17.7	17.7	17.7	15.7	12.8	11.8	12.8	12.8
130°	11.8	12.8	13.7	15.7	15.7	15.7	13.7	10.8	10.8	11.8	11.8
132.5°	10.8	11.8	12.8	13.7	13.7	13.7	11.8	9.8	8.8	10.8	10.8
135°	9.8	9.8	10.8	11.8	11.8	11.8	9.8	7.9	7.9	9.8	9.8
137.5°	7.9	8.8	9.8	9.8	9.8	9.8	7.9	6.9	6.9	7.9	7.9
140°	6.9	6.9	7.9	7.9	7.9	7.9	6.9	4.9	5.9	6.9	6.9
142.5°	5.9	5.9	6.9	6.9	6.9	5.9	4.9	3.9	4.9	5.9	5.9
145°	3.9	4.9	4.9	4.9	4.9	3.9	2.9	2.9	3.9	4.9	4.9
147.5°	3.9	3.9	3.9	3.9	3.9	2.9	2.0	2.0	2.9	3.9	3.9
150°	2.9	2.9	3.9	3.9	2.9	2.0	1.0	1.0	2.0	2.9	2.9
152.5°	2.0	2.0	2.9	2.9	2.0	1.0	0.0	0.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.0	1.0	1.0	1.0	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)