

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: P414076

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-830-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7806 lumens  
Efficiency: N/A  
Efficacy: 81.3 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: B2 - U3 - G3

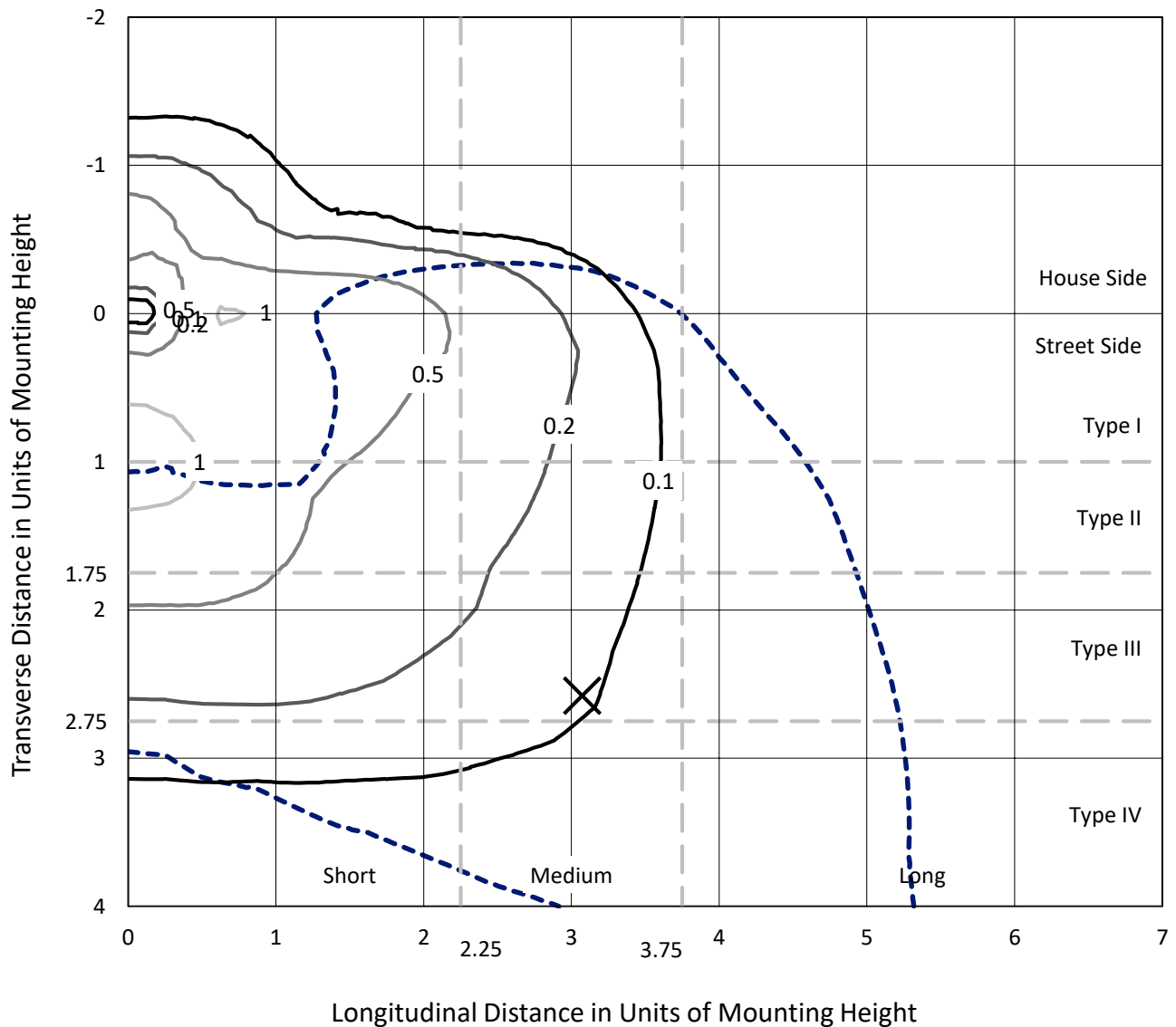
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

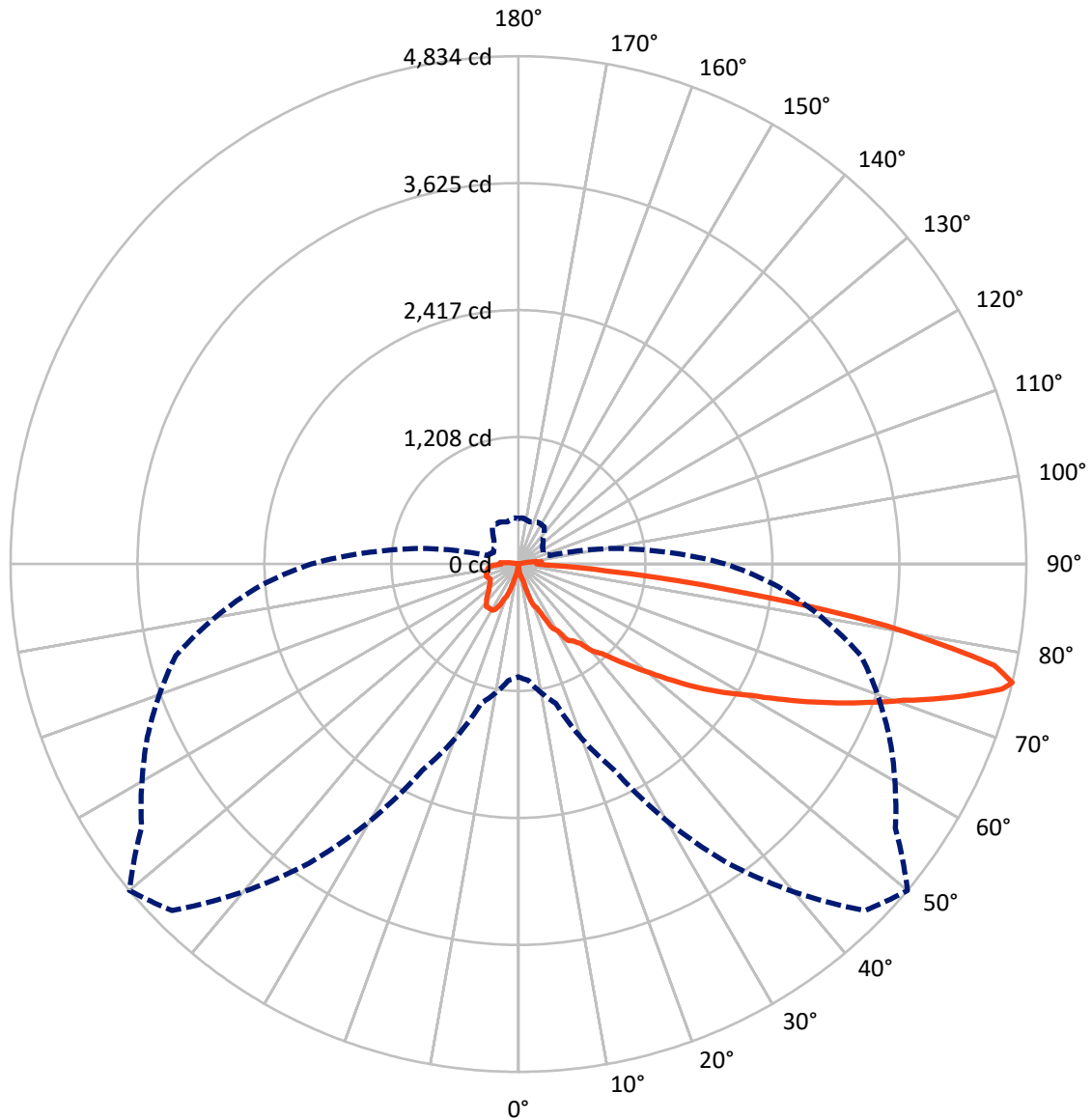
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 76-Deg Vertical



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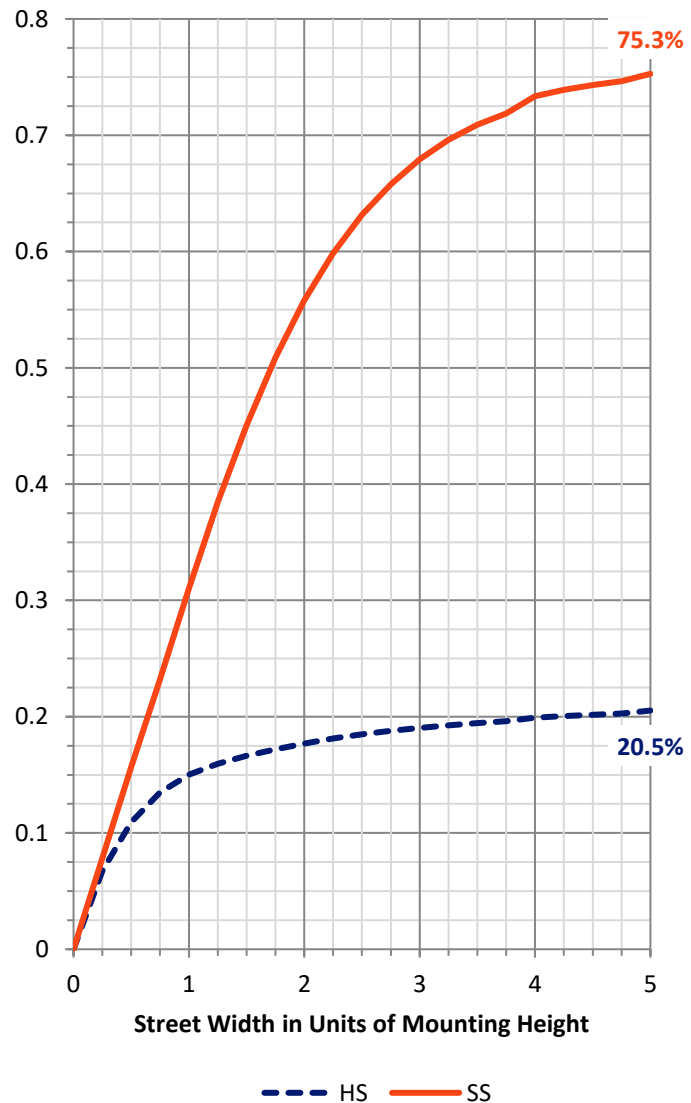
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1703.7	96.0	1799.7
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	5929.3	77.0	6006.3
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	7632.9	173.0	7806.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	65.1	0.8
20°-30°	254.6	3.3
30°-40°	548.1	7.0
40°-50°	893.0	11.4
50°-60°	1437.6	18.4
60°-70°	2094.0	26.8
70°-80°	1868.2	23.9
80°-90°	468.0	6.0
90°-100°	137.1	1.8
100°-110°	20.3	0.3
110°-120°	5.8	0.1
120°-130°	4.0	0.1
130°-140°	2.7	0.0
140°-150°	2.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7632.9	97.8
0°-180°	7806.0	100.0



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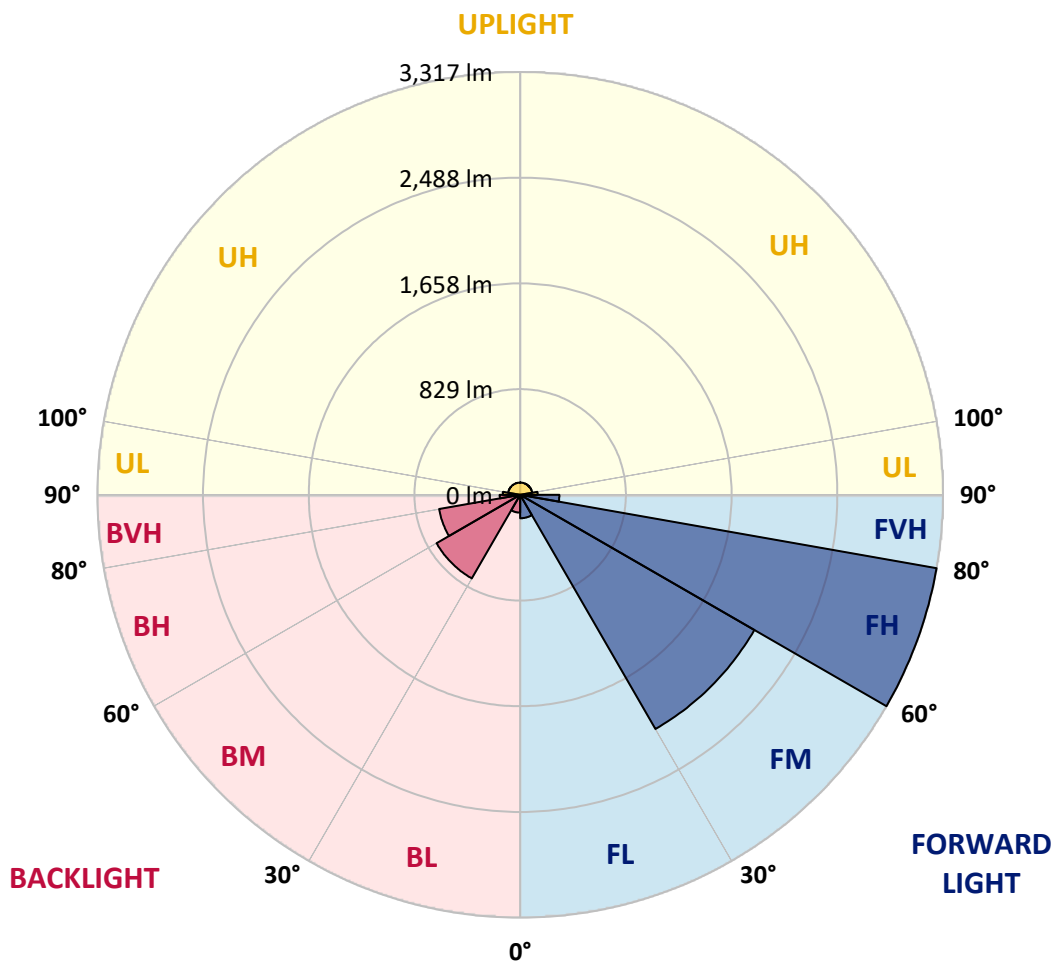
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T4W-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.1	2.4			
FM (30°-60°)	2121.2	27.2			
FH (60°-80°)	3316.8	42.5			G2/5000
FVH (80°-90°)	307.3	3.9			G3/500
BL (0°-30°)	140.0	1.8	B1/500		
BM (30°-60°)	757.5	9.7	B1/1000		
BH (60°-80°)	645.4	8.3	B2/1000		G2/1000
BVH (80°-90°)	160.7	2.1			G2/225
UL (90°-100°)	137.1	1.8		U3/500	
UH (100°-180°)	96.0	1.2		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	11.3	8.7	7.8	6.9	6.9	6.1	6.1	5.2	5.2	5.2	5.2
5°	109.3	105.8	98.0	91.1	31.2	26.0	21.7	16.5	6.1	6.1	5.2
7.5°	131.0	128.4	123.2	119.7	114.5	106.7	98.0	46.0	18.2	6.9	6.1
10°	171.8	158.8	148.3	139.7	133.6	120.6	117.1	110.2	30.4	13.0	9.5
12.5°	307.1	300.2	289.8	196.9	162.2	138.8	133.6	127.5	98.9	46.8	84.2
15°	338.3	331.4	321.0	308.0	288.9	170.9	160.5	199.5	255.1	191.7	200.4
17.5°	397.3	393.9	366.1	334.9	315.8	335.7	336.6	305.4	289.8	253.3	230.8
20°	550.9	547.4	531.8	452.0	357.4	424.2	422.5	406.9	325.3	373.9	402.5
22.5°	573.4	569.1	555.2	533.5	565.6	465.0	453.7	453.7	479.7	508.4	473.7
25°	754.7	750.4	644.6	561.3	606.4	553.5	555.2	614.2	530.9	557.8	532.7
27.5°	788.6	782.5	773.8	718.3	638.5	701.0	691.4	659.3	690.6	770.4	743.5
30°	920.4	853.6	825.0	792.9	753.9	742.6	738.3	796.4	818.9	813.7	821.5
32.5°	1067.9	1065.3	1037.6	845.8	852.8	798.1	868.4	894.4	859.7	988.1	1070.5
35°	1283.1	1194.6	1140.8	1013.3	887.5	923.0	898.8	925.7	1044.5	1056.6	1135.6
37.5°	1612.7	1607.5	1484.3	1118.2	1023.7	944.7	962.1	1036.7	1114.8	1132.1	1238.8
40°	1885.1	1860.0	1781.9	1394.1	1113.0	1021.9	1091.3	1074.9	1157.3	1218.0	1320.4
42.5°	2087.3	2110.7	2066.4	1613.6	1292.6	1144.3	1165.1	1143.4	1219.7	1333.4	1437.5
45°	2280.7	2271.2	2301.5	1836.6	1465.3	1301.3	1299.6	1246.6	1334.3	1461.8	1598.9
47.5°	2438.6	2424.7	2456.0	2078.6	1663.9	1443.6	1455.7	1387.2	1471.3	1622.3	1838.3
50°	2614.7	2587.8	2608.7	2281.6	1923.3	1649.2	1632.7	1579.8	1627.5	1833.1	2130.6
52.5°	2826.4	2807.3	2770.0	2483.7	2190.5	1860.8	1840.0	1788.8	1840.9	2095.1	2454.2
55°	3016.4	2994.7	2964.3	2762.2	2412.6	2076.0	2076.9	2025.7	2127.2	2381.4	2829.9
57.5°	3214.2	3203.8	3219.4	3073.6	2730.1	2300.7	2305.9	2274.7	2456.8	2675.5	3228.1
60°	3378.1	3362.5	3449.3	3392.0	3012.1	2557.5	2536.6	2570.5	2793.4	2982.6	3631.5
62.5°	3440.6	3451.0	3615.0	3685.3	3285.3	2834.2	2842.0	2888.0	3104.9	3350.4	4020.1
65°	3147.4	3183.8	3641.9	3736.4	3589.8	3141.3	3178.6	3170.8	3424.1	3621.1	4348.0
67.5°	2829.0	2870.6	3368.6	3749.4	3825.8	3502.2	3521.3	3444.1	3699.1	3790.2	4592.7
70°	2603.4	2635.5	3045.0	3675.7	3970.7	3878.7	3887.4	3744.2	3898.7	3988.9	4584.0
72.5°	2213.1	2246.9	2625.1	3397.2	4060.9	4335.0	4335.0	4019.2	4060.0	3984.5	4047.9
75°	1495.6	1508.6	1818.3	2637.3	3827.5	4707.2	4752.3	4319.4	4004.5	3619.3	3019.0
76°	1074.0	1113.9	1373.3	2165.3	3476.2	4664.7	4833.9	4380.1	3896.1	3377.3	2484.6
77.5°	569.1	605.5	810.3	1386.3	2819.5	4337.6	4630.0	4193.6	3552.5	2899.3	1837.4
80°	223.0	220.4	278.5	493.6	1427.9	3299.2	3543.0	3091.0	2403.0	1679.5	872.7
82.5°	122.3	134.5	177.0	261.1	619.4	1820.1	2001.4	1630.9	1226.7	774.7	510.1
85°	78.1	79.8	104.1	161.4	382.6	766.9	842.4	698.4	574.3	475.4	362.6
87.5°	46.8	48.6	54.7	74.6	189.1	225.6	246.4	289.8	329.7	327.1	313.2
90°	32.1	32.1	26.9	29.5	88.5	180.4	173.5	184.8	168.3	213.4	301.9
92.5°	31.2	31.2	26.0	26.9	75.5	200.4	201.3	200.4	177.8	217.7	317.5
95°	27.8	28.6	22.6	23.4	55.5	187.4	220.4	213.4	179.6	219.5	316.6
97.5°	23.4	24.3	17.4	20.0	37.3	126.7	164.0	167.4	111.9	111.0	143.1
100°	17.4	18.2	12.1	15.6	22.6	58.1	87.6	82.4	55.5	30.4	20.0
102.5°	16.5	17.4	10.4	12.1	13.9	20.0	32.1	24.3	20.8	17.4	17.4
105°	18.2	18.2	9.5	8.7	8.7	9.5	7.8	11.3	12.1	13.0	18.2
107.5°	15.6	16.5	6.9	6.9	6.1	6.1	5.2	5.2	6.9	11.3	20.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	12.1	12.1	6.1	6.1	4.3	5.2	5.2	4.3	6.1	8.7	15.6
112.5°	6.9	7.8	3.5	5.2	3.5	4.3	4.3	3.5	5.2	6.1	8.7
115°	6.9	6.9	3.5	2.6	2.6	2.6	3.5	3.5	4.3	6.1	9.5
117.5°	6.9	6.9	3.5	2.6	1.7	2.6	2.6	2.6	4.3	6.1	9.5
120°	6.9	6.9	3.5	1.7	1.7	1.7	1.7	2.6	4.3	6.1	9.5
122.5°	7.8	6.9	3.5	1.7	1.7	1.7	1.7	2.6	4.3	6.1	8.7
125°	7.8	6.9	3.5	1.7	1.7	1.7	1.7	2.6	3.5	5.2	7.8
127.5°	7.8	6.9	3.5	1.7	1.7	1.7	1.7	2.6	3.5	5.2	6.9
130°	6.9	6.9	3.5	1.7	1.7	1.7	1.7	2.6	3.5	5.2	6.9
132.5°	6.9	6.1	3.5	1.7	1.7	1.7	1.7	2.6	3.5	4.3	6.1
135°	6.1	5.2	3.5	1.7	2.6	1.7	2.6	2.6	3.5	4.3	5.2
137.5°	5.2	5.2	3.5	2.6	2.6	2.6	2.6	2.6	3.5	4.3	4.3
140°	6.1	5.2	3.5	3.5	2.6	2.6	2.6	2.6	3.5	4.3	4.3
142.5°	6.9	6.1	4.3	3.5	3.5	2.6	2.6	3.5	3.5	4.3	4.3
145°	6.9	6.9	5.2	4.3	2.6	2.6	2.6	3.5	4.3	4.3	5.2
147.5°	7.8	6.9	5.2	4.3	2.6	1.7	2.6	2.6	4.3	5.2	5.2
150°	6.9	6.9	4.3	3.5	1.7	0.9	1.7	2.6	4.3	5.2	5.2
152.5°	5.2	5.2	3.5	1.7	0.9	0.9	1.7	2.6	3.5	4.3	5.2
155°	3.5	3.5	1.7	0.9	0.0	0.9	0.9	1.7	2.6	3.5	4.3
157.5°	1.7	1.7	0.9	0.0	0.0	0.9	0.9	1.7	2.6	3.5	3.5
160°	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.7	1.7	2.6	2.6
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	5.2	4.3	4.3	3.5	3.5	2.6	2.6	2.6	2.6	3.5	4.3
5°	5.2	5.2	4.3	4.3	4.3	3.5	3.5	5.2	6.1	6.9	6.9
7.5°	5.2	5.2	5.2	4.3	5.2	6.9	27.8	79.8	87.6	92.8	94.6
10°	9.5	8.7	7.8	6.9	13.0	88.5	109.3	118.9	123.2	127.5	127.5
12.5°	91.1	91.1	37.3	20.8	89.4	118.9	124.9	131.9	137.9	144.0	144.9
15°	197.8	195.2	188.3	172.6	149.2	134.5	140.5	208.2	244.6	261.1	258.5
17.5°	226.4	223.0	218.6	249.0	259.4	207.3	242.0	268.9	276.7	285.4	284.5
20°	419.9	415.5	323.6	289.8	283.7	347.9	276.7	282.8	296.7	378.2	380.8
22.5°	470.2	465.0	432.9	441.6	331.4	377.4	365.2	382.6	426.8	439.8	441.6
25°	550.9	530.1	491.0	461.5	469.3	393.9	454.6	426.0	442.4	458.1	460.7
27.5°	762.6	750.4	681.0	517.0	478.9	492.8	473.7	463.3	553.5	586.4	589.1
30°	821.5	809.4	722.6	598.6	504.9	504.9	477.1	577.8	582.1	599.5	603.8
32.5°	1116.5	1092.2	918.7	608.1	524.0	482.3	540.5	569.1	638.5	690.6	699.2
35°	1185.0	1164.2	948.2	694.9	506.6	502.3	510.1	599.5	650.6	681.9	688.8
37.5°	1256.2	1232.8	944.7	661.9	537.0	478.9	496.2	560.4	634.2	714.8	725.3
40°	1353.3	1324.7	949.1	619.4	503.2	452.8	465.9	537.9	588.2	638.5	647.2
42.5°	1483.5	1426.2	956.9	581.2	464.1	441.6	444.2	485.8	509.2	530.1	530.1
45°	1658.7	1565.9	959.5	541.3	425.1	415.5	419.0	438.1	446.8	433.8	427.7
47.5°	1893.8	1738.5	991.6	505.8	392.1	386.9	389.5	395.6	391.3	357.4	351.3
50°	2167.9	1941.5	1008.9	474.5	367.8	367.0	362.6	362.6	347.0	308.8	306.2
52.5°	2470.7	2183.6	1023.7	436.4	350.5	354.8	354.8	336.6	313.2	282.8	280.2
55°	2855.0	2462.9	1045.4	403.4	335.7	334.9	344.4	321.9	297.6	271.5	271.5
57.5°	3236.7	2758.7	1071.4	374.8	319.2	321.0	334.9	316.6	303.6	293.2	292.4
60°	3618.5	3064.1	1029.8	348.7	313.2	309.7	332.3	336.6	321.0	327.1	333.1
62.5°	3976.7	3259.3	862.3	326.2	301.9	307.1	354.8	381.7	376.5	370.4	372.2
65°	4145.9	3299.2	699.2	306.2	294.1	325.3	391.3	432.0	414.7	394.7	393.0
67.5°	4174.5	3196.0	514.4	294.1	289.8	357.4	419.9	443.3	417.3	409.5	402.5
70°	3973.3	2934.0	411.2	281.1	293.2	362.6	438.1	440.7	421.6	430.3	421.6
72.5°	3379.0	2443.8	360.0	268.9	294.1	349.6	438.1	441.6	419.9	445.0	440.7
75°	2419.5	1713.4	320.1	258.5	284.5	334.9	432.0	440.7	414.7	442.4	435.5
76°	1971.0	1359.4	308.8	261.1	280.2	329.7	430.3	438.1	415.5	440.7	433.8
77.5°	1302.2	888.3	289.8	259.4	272.4	327.1	426.0	434.6	414.7	435.5	428.6
80°	696.6	503.2	261.1	242.0	262.9	328.8	422.5	426.0	398.2	421.6	412.9
82.5°	458.9	374.8	225.6	219.5	253.3	331.4	420.8	415.5	384.3	421.6	398.2
85°	360.0	309.7	169.2	176.1	230.8	320.1	415.5	400.8	372.2	382.6	368.7
87.5°	305.4	255.1	101.5	125.8	202.1	272.4	368.7	331.4	314.9	325.3	319.2
90°	287.2	225.6	57.3	88.5	151.8	181.3	232.5	216.0	209.1	221.2	218.6
92.5°	289.8	220.4	56.4	84.2	162.2	195.2	240.3	221.2	200.4	200.4	197.8
95°	276.7	205.6	55.5	66.8	146.6	190.0	225.6	198.7	161.4	153.6	150.9
97.5°	120.6	99.8	52.1	51.2	84.2	131.0	164.0	142.3	106.7	83.3	83.3
100°	20.0	32.1	45.1	49.4	49.4	69.4	92.8	87.6	51.2	26.9	27.8
102.5°	20.8	18.2	31.2	40.8	32.1	28.6	42.5	52.9	33.8	10.4	11.3
105°	21.7	19.1	15.6	28.6	18.2	9.5	13.0	24.3	15.6	10.4	10.4
107.5°	23.4	20.0	9.5	10.4	7.8	7.8	6.9	6.1	7.8	10.4	11.3



REPORT NUMBER: P414076

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.2	16.5	8.7	7.8	6.9	7.8	5.2	5.2	6.1	10.4	11.3
112.5°	10.4	10.4	7.8	6.1	6.1	6.9	4.3	4.3	6.1	11.3	11.3
115°	10.4	10.4	6.9	5.2	4.3	5.2	4.3	3.5	6.1	11.3	12.1
117.5°	10.4	10.4	6.9	5.2	4.3	3.5	3.5	3.5	6.1	11.3	12.1
120°	10.4	9.5	6.1	4.3	4.3	2.6	2.6	2.6	5.2	11.3	12.1
122.5°	9.5	9.5	6.1	4.3	3.5	2.6	2.6	2.6	5.2	10.4	11.3
125°	8.7	8.7	6.1	4.3	3.5	2.6	1.7	2.6	5.2	9.5	10.4
127.5°	7.8	7.8	5.2	4.3	3.5	2.6	1.7	2.6	5.2	9.5	10.4
130°	6.9	6.9	5.2	3.5	3.5	1.7	1.7	1.7	5.2	8.7	9.5
132.5°	6.1	6.1	4.3	3.5	2.6	1.7	0.9	1.7	4.3	7.8	7.8
135°	5.2	5.2	4.3	3.5	2.6	1.7	0.9	1.7	3.5	6.1	6.9
137.5°	4.3	4.3	3.5	3.5	2.6	1.7	0.9	1.7	2.6	5.2	5.2
140°	4.3	4.3	3.5	3.5	2.6	1.7	0.9	1.7	2.6	4.3	5.2
142.5°	4.3	4.3	3.5	3.5	2.6	1.7	0.9	1.7	2.6	4.3	5.2
145°	5.2	4.3	4.3	3.5	2.6	1.7	0.9	1.7	3.5	5.2	5.2
147.5°	5.2	5.2	4.3	3.5	2.6	1.7	0.9	1.7	3.5	5.2	5.2
150°	5.2	5.2	4.3	3.5	2.6	0.9	0.0	0.9	2.6	4.3	5.2
152.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0	0.0	1.7	3.5	3.5
155°	4.3	3.5	3.5	2.6	1.7	0.9	0.0	0.0	0.9	1.7	1.7
157.5°	3.5	3.5	2.6	1.7	0.9	0.9	0.0	0.0	0.0	0.9	0.9
160°	2.6	2.6	1.7	1.7	0.9	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)