

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: P415679

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415679  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-827-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4682 lumens  
Efficiency: N/A  
Efficacy: 86.7 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 - G2

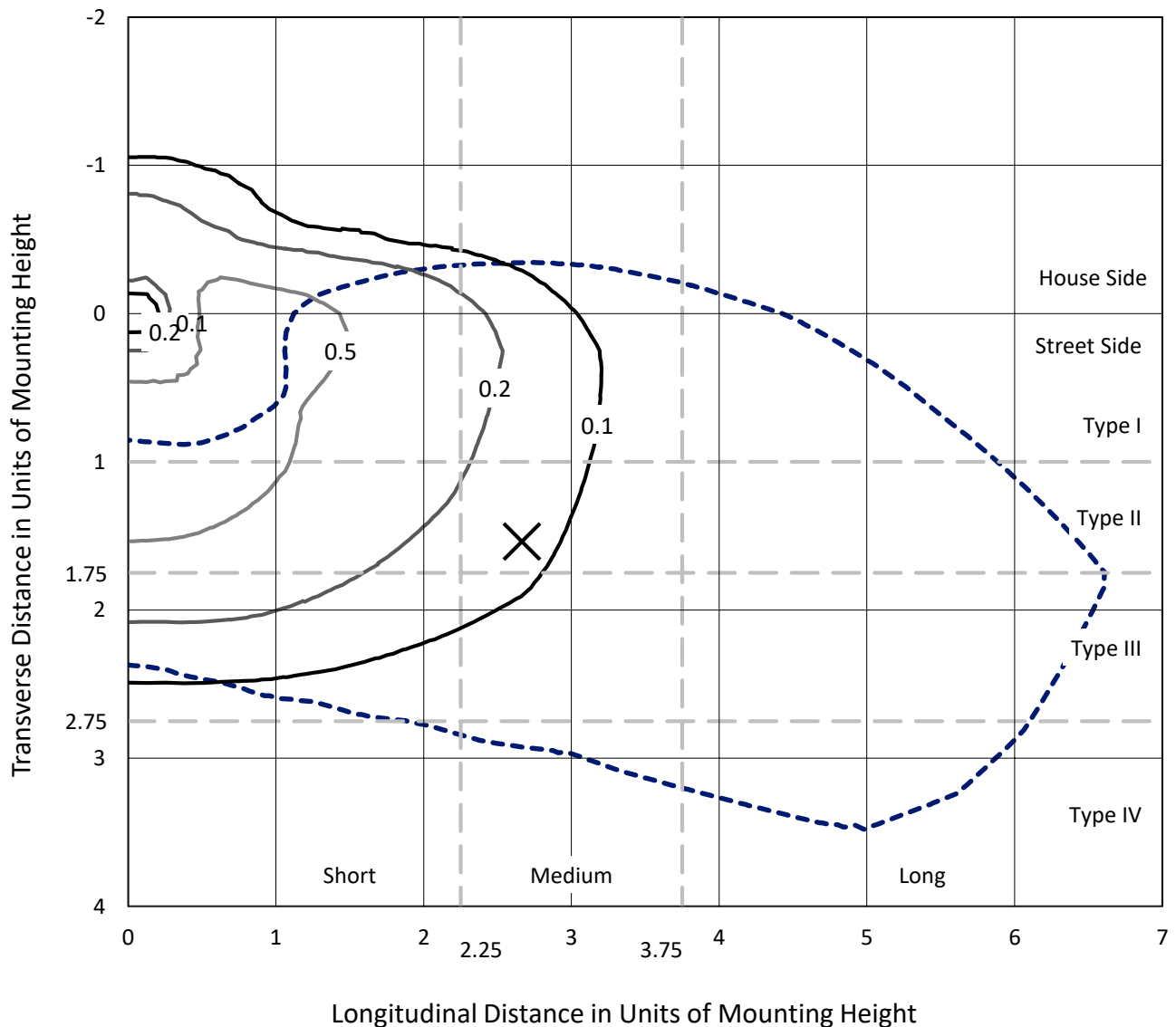
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415679  
 CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

### Iso-Footcandle Lines of Horizontal Illumination

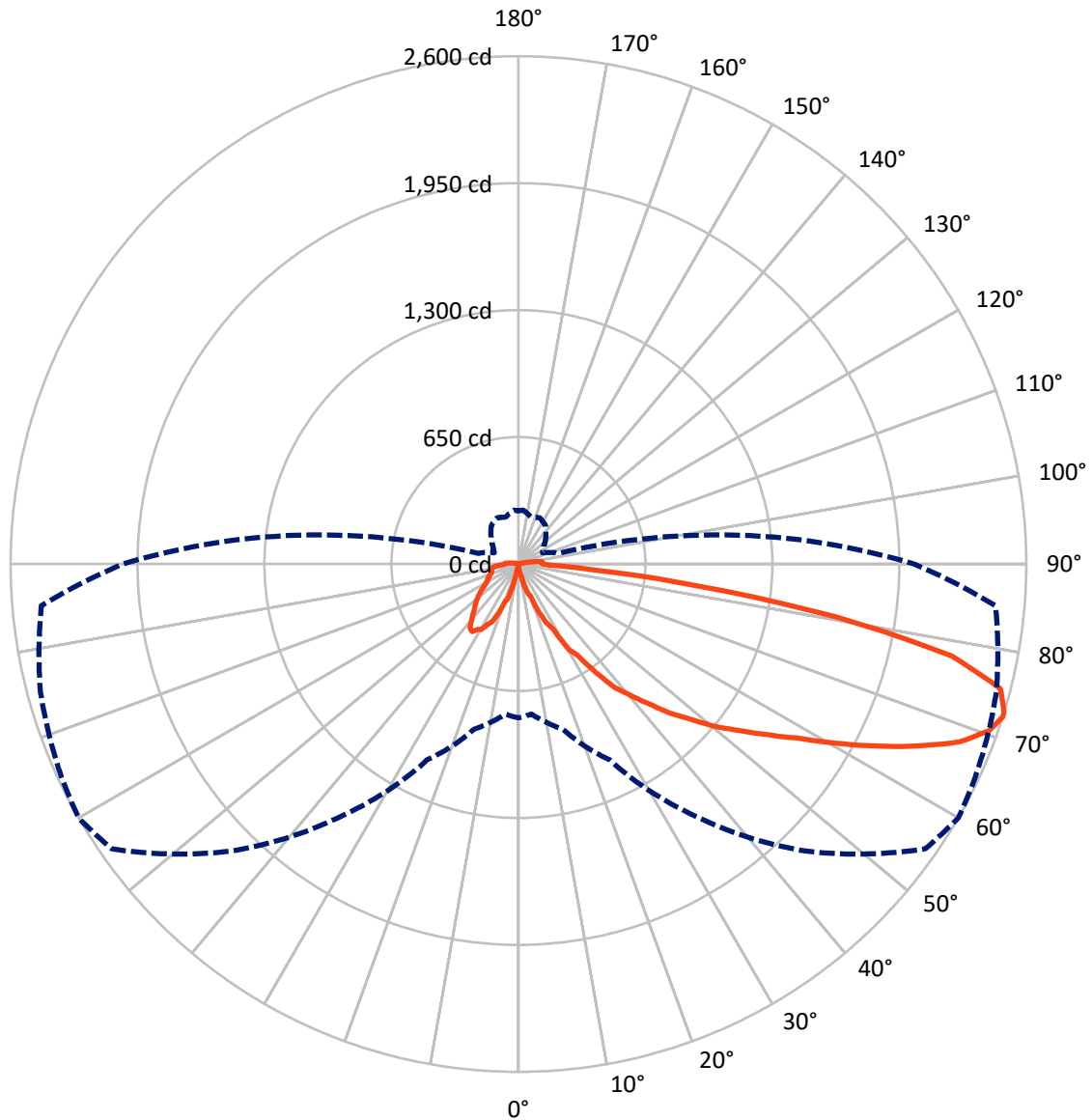
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P415679  
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P415679

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1023.3	49.9	1073.2
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	3564.9	43.9	3608.8
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	4588.2	93.8	4682.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	38.3	0.8
20°-30°	159.6	3.4
30°-40°	368.7	7.9
40°-50°	647.5	13.8
50°-60°	978.7	20.9
60°-70°	1206.7	25.8
70°-80°	931.6	19.9
80°-90°	254.5	5.4
90°-100°	69.1	1.5
100°-110°	12.0	0.3
110°-120°	4.6	0.1
120°-130°	3.3	0.1
130°-140°	2.2	0.0
140°-150°	1.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4588.2	98.0
0°-180°	4682.0	100.0



REPORT NUMBER: P415679

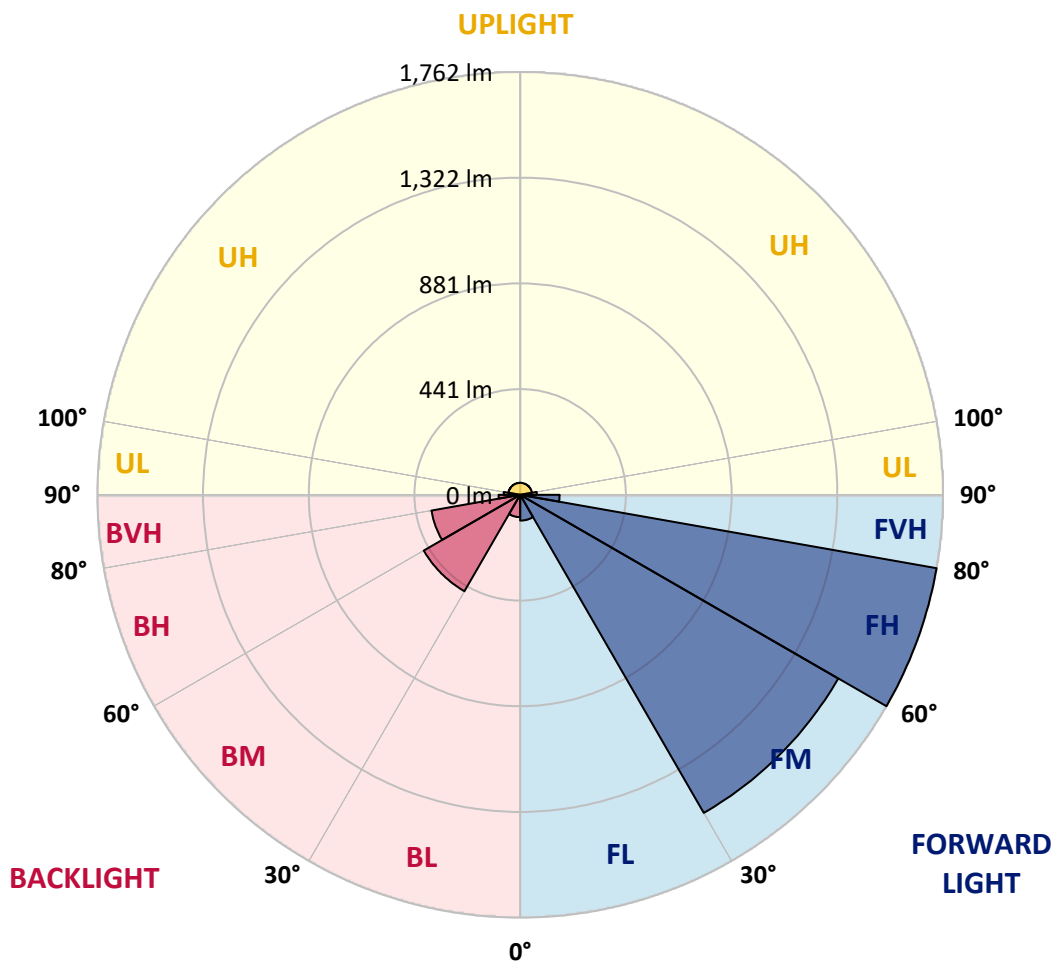
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.5	2.3			
FM	(30°-60°)	1530.8	32.7			
FH	(60°-80°)	1762.3	37.6			G1/1800
FVH	(80°-90°)	164.4	3.5			G2/225
BL	(0°-30°)	93.0	2.0	B0/110		
BM	(30°-60°)	464.1	9.9	B1/1000		
BH	(60°-80°)	376.0	8.0	B1/500		G1/500
BVH	(80°-90°)	90.1	1.9			G1/100
UL	(90°-100°)	69.1	1.5		U3/500	
UH	(100°-180°)	49.9	1.1		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





REPORT NUMBER: P415679

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	6.2	5.7	5.2	5.2	5.7	5.2	4.7	4.2	3.6	3.6	3.1
5°	58.1	56.6	56.1	45.2	20.8	16.1	7.3	5.7	4.7	3.6	3.1
7.5°	64.4	63.8	63.3	63.3	62.3	59.2	33.7	16.6	9.3	4.7	4.2
10°	73.7	72.7	69.5	68.0	66.4	65.4	60.7	57.6	26.0	7.8	6.7
12.5°	131.3	129.2	126.1	93.4	79.9	70.6	69.0	66.4	57.6	23.9	48.3
15°	141.2	140.7	138.6	137.0	132.9	88.2	106.9	122.0	138.1	112.6	125.6
17.5°	177.5	172.3	158.8	151.0	148.4	161.9	154.7	157.3	157.3	151.6	143.8
20°	265.2	261.6	254.8	224.7	169.2	208.6	204.5	173.9	179.1	221.6	257.4
22.5°	319.7	316.1	302.1	282.9	279.2	232.0	241.3	263.7	269.9	310.9	310.4
25°	433.9	427.2	397.1	340.5	347.7	299.5	336.8	331.7	315.6	342.6	351.9
27.5°	529.9	524.2	509.7	481.1	403.3	418.9	383.0	376.3	419.4	495.1	493.6
30°	635.8	604.7	565.7	556.9	499.3	474.9	484.2	506.6	522.7	529.9	548.1
32.5°	771.3	767.6	738.6	623.9	605.7	542.9	587.5	556.9	569.4	674.2	736.5
35°	865.2	874.6	823.2	754.7	668.5	666.9	648.3	678.9	738.6	753.1	796.2
37.5°	1084.2	1086.8	1040.6	845.0	788.9	734.9	793.1	801.4	818.0	842.9	879.2
40°	1249.3	1225.9	1168.8	1023.5	901.5	842.9	884.4	883.4	919.7	965.4	988.2
42.5°	1452.7	1426.8	1324.5	1160.0	1045.8	981.0	985.1	976.3	1006.4	1078.5	1092.5
45°	1623.5	1612.1	1533.2	1359.8	1205.2	1127.3	1099.3	1088.4	1103.4	1194.3	1202.1
47.5°	1784.9	1754.3	1702.9	1527.5	1436.7	1295.0	1214.5	1188.6	1193.2	1296.5	1319.4
50°	1955.7	1904.3	1841.0	1686.8	1620.9	1505.7	1346.9	1306.4	1307.9	1403.4	1442.4
52.5°	2056.9	1975.4	1934.4	1806.7	1740.3	1682.7	1485.4	1415.4	1422.6	1513.0	1572.1
55°	1994.1	1969.7	1970.7	1894.4	1845.1	1777.7	1619.9	1541.5	1549.8	1655.7	1729.9
57.5°	1888.2	1906.9	1972.8	1969.7	1942.2	1876.3	1753.8	1680.6	1728.3	1817.1	1895.5
60°	1806.7	1828.0	1934.9	1989.9	2041.3	1993.1	1892.4	1860.7	1905.3	1982.7	2076.6
62.5°	1670.7	1687.9	1834.7	1980.1	2038.7	2092.7	2024.2	2052.7	2093.7	2159.1	2273.3
65°	1484.9	1480.8	1663.5	1889.8	2021.6	2148.2	2193.9	2246.3	2283.7	2353.8	2457.6
67.5°	1265.4	1286.1	1439.8	1695.1	1954.6	2176.3	2336.6	2432.7	2456.0	2483.0	2557.8
70°	1033.4	1032.3	1166.8	1438.2	1810.9	2160.7	2472.1	2555.2	2555.7	2539.6	2561.9
72°	787.9	771.3	875.1	1106.6	1572.6	2077.1	2541.7	2599.8	2580.6	2532.8	2451.4
72.5°	676.3	691.3	788.9	1042.2	1465.7	2035.6	2548.9	2599.3	2578.5	2526.1	2418.1
75°	343.1	321.3	376.8	558.5	1011.1	1644.8	2496.5	2548.4	2490.3	2424.9	2120.2
77.5°	134.4	138.1	159.9	241.3	492.0	1083.2	2155.0	2268.1	2230.8	2184.6	1672.3
80°	94.5	94.5	106.9	137.5	252.2	440.1	1493.2	1657.8	1715.4	1738.2	1118.5
82.5°	68.5	69.5	81.5	96.0	180.1	211.2	733.4	921.3	1012.1	1097.2	625.4
85°	63.8	63.8	65.4	64.4	128.7	150.5	266.8	393.4	454.7	533.0	252.8
87.5°	30.1	32.7	48.3	38.4	63.3	92.9	145.3	157.8	161.4	183.2	181.7
90°	19.7	19.7	16.1	16.6	31.1	75.3	116.8	119.4	114.7	134.4	169.2
92.5°	20.2	20.8	15.1	15.6	24.4	69.0	119.9	122.0	118.3	141.2	179.6
95°	18.7	18.7	13.0	13.5	19.2	52.9	119.9	122.0	111.6	140.7	179.6
97.5°	15.6	16.1	10.4	10.9	15.1	26.0	83.0	89.3	71.1	71.6	87.7
100°	13.5	13.5	8.3	8.8	10.9	11.9	42.0	44.1	39.4	17.6	11.9
102.5°	13.5	13.5	7.3	7.3	7.3	6.7	13.0	21.8	18.2	10.4	11.4
105°	13.0	13.5	6.7	5.7	5.7	5.2	6.7	8.3	8.3	8.3	11.9
107.5°	10.4	10.9	5.2	5.2	4.7	4.7	3.6	3.6	5.2	7.8	13.0



REPORT NUMBER: P415679

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.3	8.3	4.2	4.7	3.6	4.2	3.1	3.1	4.7	5.7	9.9
112.5°	4.7	4.7	3.1	3.6	3.1	3.6	3.1	3.1	3.6	4.7	6.2
115°	4.2	4.2	2.6	2.6	2.6	2.6	2.6	2.6	3.1	4.2	6.7
117.5°	4.2	4.2	2.6	2.6	2.6	2.1	2.1	2.6	2.6	4.2	6.7
120°	4.2	4.2	2.6	2.6	2.1	2.1	2.1	2.6	2.6	4.2	6.7
122.5°	4.7	4.2	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.6	6.7
125°	4.7	4.2	3.1	2.1	2.1	2.1	2.1	2.1	2.6	3.6	5.7
127.5°	4.7	4.7	3.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	5.2
130°	4.7	4.2	3.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	4.7
132.5°	4.2	4.2	3.1	2.1	2.6	2.1	2.1	2.1	2.1	2.6	3.6
135°	3.6	3.6	2.6	2.6	2.6	2.1	2.1	2.1	2.1	2.1	3.1
137.5°	3.6	3.6	3.1	2.6	2.6	2.6	2.1	2.1	2.1	2.1	2.6
140°	3.6	3.6	3.1	3.1	3.1	2.6	2.1	2.1	2.1	2.6	2.6
142.5°	4.2	4.2	3.6	3.1	3.1	2.6	2.1	2.1	2.6	2.6	2.6
145°	4.7	4.7	4.2	3.6	3.1	2.1	2.1	2.6	2.6	2.6	3.1
147.5°	4.7	4.7	4.2	3.1	2.6	2.1	2.1	2.6	2.6	3.1	3.1
150°	4.2	4.2	3.6	2.6	2.1	1.6	2.1	2.1	2.6	3.1	3.1
152.5°	3.1	3.1	2.6	2.1	1.6	1.0	1.6	2.1	2.1	2.6	3.1
155°	2.1	2.1	1.6	1.0	1.0	1.0	1.6	1.6	1.6	2.1	2.6
157.5°	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.6	1.6	1.6	2.1
160°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.6	1.6	1.6	1.6
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





REPORT NUMBER: P415679

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.6	3.6	3.6	4.2	4.7
5°	3.1	3.1	3.1	3.1	3.6	4.2	4.7	5.2	5.7	6.2	6.2
7.5°	3.6	3.6	3.6	4.2	4.7	5.7	13.0	45.7	62.3	68.0	66.4
10°	6.7	6.7	6.2	6.2	7.3	60.7	77.3	84.1	87.7	91.9	91.9
12.5°	54.0	62.3	22.3	12.5	60.2	85.1	91.3	96.0	99.1	103.3	103.3
15°	130.3	132.4	136.0	122.5	118.3	96.5	100.7	136.5	179.6	191.0	192.0
17.5°	146.4	149.0	151.6	179.6	191.0	147.9	170.2	191.5	195.7	199.8	199.8
20°	279.2	283.4	229.9	206.1	201.4	250.7	192.6	197.7	205.0	241.9	245.5
22.5°	316.6	319.2	299.0	311.9	228.4	262.1	253.3	253.3	283.4	285.5	286.0
25°	355.0	369.5	331.1	320.8	324.9	265.2	299.0	269.9	274.0	277.2	277.7
27.5°	518.0	515.9	484.8	366.9	325.9	321.3	290.1	266.3	311.4	323.4	323.9
30°	550.7	545.5	517.5	429.8	338.4	318.2	273.5	307.8	299.5	301.0	301.6
32.5°	757.3	749.0	669.5	434.9	353.5	293.8	296.9	286.5	287.5	319.7	320.8
35°	809.2	797.7	686.1	502.9	336.8	297.9	274.6	287.5	292.7	291.2	291.2
37.5°	878.7	856.9	681.0	472.8	350.3	278.7	262.6	271.4	268.3	288.1	287.0
40°	954.5	923.9	683.6	438.6	317.6	261.6	251.7	259.5	257.4	251.7	247.6
42.5°	1051.0	998.1	683.0	410.0	287.5	255.9	237.7	237.2	228.4	219.0	215.9
45°	1149.6	1076.5	685.1	377.3	264.7	251.2	229.9	217.5	209.7	199.8	197.2
47.5°	1257.6	1160.0	691.3	351.4	247.1	237.2	220.1	205.0	199.3	186.8	185.8
50°	1385.3	1247.7	693.4	330.6	226.3	224.7	212.8	196.2	187.4	174.9	173.9
52.5°	1522.8	1340.6	697.0	300.0	210.2	220.1	217.0	194.1	190.5	174.4	173.4
55°	1653.1	1428.9	696.0	263.1	202.9	215.9	217.0	207.6	201.9	175.4	173.4
57.5°	1809.8	1524.4	680.4	228.9	191.5	209.7	227.3	219.5	213.3	191.5	187.4
60°	1950.0	1623.0	634.2	202.4	181.7	202.9	236.2	228.4	210.7	196.7	192.6
62.5°	2114.0	1708.1	569.9	183.2	178.0	205.0	239.3	234.1	212.3	207.6	206.1
65°	2225.1	1740.3	472.3	167.6	177.5	205.0	238.2	239.3	223.7	228.4	227.9
67.5°	2238.6	1698.8	358.1	155.7	171.3	205.0	236.7	249.7	234.1	253.3	254.3
70°	2173.7	1595.0	261.1	143.8	164.5	202.4	237.2	256.4	241.9	272.0	269.9
72°	2024.2	1437.7	211.2	136.0	158.8	198.3	240.8	260.0	248.6	276.6	272.0
72.5°	1985.3	1389.4	201.9	134.9	157.8	197.7	241.9	261.1	249.1	281.3	275.6
75°	1661.4	1106.6	173.4	127.2	159.3	195.2	247.1	260.6	252.2	284.4	285.5
77.5°	1258.6	745.8	153.6	120.4	158.8	190.5	245.5	256.4	247.6	273.5	279.2
80°	779.1	433.9	136.5	119.9	157.8	188.4	238.8	245.5	234.6	255.4	256.9
82.5°	426.1	253.8	118.3	117.8	153.1	182.7	225.8	233.0	222.7	245.5	229.4
85°	218.0	172.3	88.8	96.5	133.9	171.8	210.7	210.2	199.8	208.1	196.7
87.5°	168.2	135.5	57.6	69.5	109.5	141.7	173.4	171.8	158.3	159.3	154.7
90°	154.7	120.9	37.9	49.3	91.3	101.7	120.4	115.7	106.4	108.5	106.9
92.5°	155.7	119.4	36.3	52.4	87.7	91.3	110.6	104.8	95.5	96.5	93.4
95°	152.1	114.7	36.3	46.2	72.7	64.9	79.4	77.3	69.5	65.9	64.4
97.5°	72.7	57.1	33.7	34.3	41.0	35.3	48.3	51.9	41.5	33.2	33.2
100°	12.5	19.2	29.6	34.8	29.6	22.3	30.6	35.3	23.9	10.9	11.9
102.5°	12.5	11.9	22.8	29.6	21.3	11.9	17.6	23.4	15.1	8.3	8.8
105°	13.5	12.5	10.9	20.2	12.5	6.2	6.7	11.9	8.3	8.3	8.3
107.5°	14.5	13.5	7.8	7.8	6.2	5.7	5.2	4.7	5.7	8.3	8.8



REPORT NUMBER: P415679

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.9	10.9	7.3	6.2	5.7	5.7	4.2	4.2	5.7	8.8	8.8
112.5°	7.8	7.8	6.2	5.2	4.7	5.7	4.2	4.2	5.2	8.8	9.3
115°	7.8	7.8	5.7	4.7	4.2	4.7	4.2	3.6	5.2	8.8	9.3
117.5°	7.8	7.8	5.7	4.2	3.6	3.6	3.1	3.6	5.2	8.8	9.3
120°	7.8	7.8	5.7	4.2	3.6	3.1	3.1	3.1	5.2	8.8	9.3
122.5°	7.3	7.3	5.2	3.6	3.1	2.6	2.6	3.1	4.7	8.3	8.8
125°	6.7	6.7	4.7	3.6	3.1	2.6	2.6	2.6	4.7	7.8	8.3
127.5°	6.2	6.2	4.7	3.1	2.6	2.6	2.6	2.6	4.2	7.3	7.8
130°	5.2	5.2	4.2	3.1	2.6	2.1	2.6	2.6	4.2	6.7	6.7
132.5°	4.2	4.2	3.1	2.6	2.6	2.1	2.1	2.6	3.6	5.7	6.2
135°	3.1	3.1	3.1	2.6	2.6	2.1	2.1	2.1	3.1	4.7	5.2
137.5°	2.6	3.1	2.6	2.6	2.6	2.1	2.1	2.1	3.1	4.2	4.2
140°	2.6	2.6	2.6	2.6	2.6	2.1	2.1	2.1	3.1	3.6	4.2
142.5°	2.6	3.1	2.6	2.6	2.6	2.1	2.1	2.6	3.1	4.2	4.2
145°	3.1	3.1	3.1	2.6	2.6	1.6	1.6	2.6	3.1	4.2	4.2
147.5°	3.1	3.1	3.1	2.6	2.1	1.6	1.6	2.1	3.1	4.2	4.2
150°	3.1	3.1	3.1	2.6	2.1	1.0	1.0	2.1	2.6	3.6	4.2
152.5°	3.1	3.1	2.6	2.6	1.6	1.0	0.5	1.6	2.1	3.1	3.1
155°	2.6	2.6	2.6	2.1	1.6	0.5	0.0	0.5	1.6	2.6	2.6
157.5°	2.1	2.1	2.1	1.6	1.0	0.5	0.0	0.5	0.5	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.0	0.5	0.0	0.0	0.5	1.0	1.0
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)