

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: P417003

Luminaire Tested: **LXF.LXT-PA1-90-722-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417003  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-722-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6760 lumens  
Efficiency: N/A  
Efficacy: 71.9 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

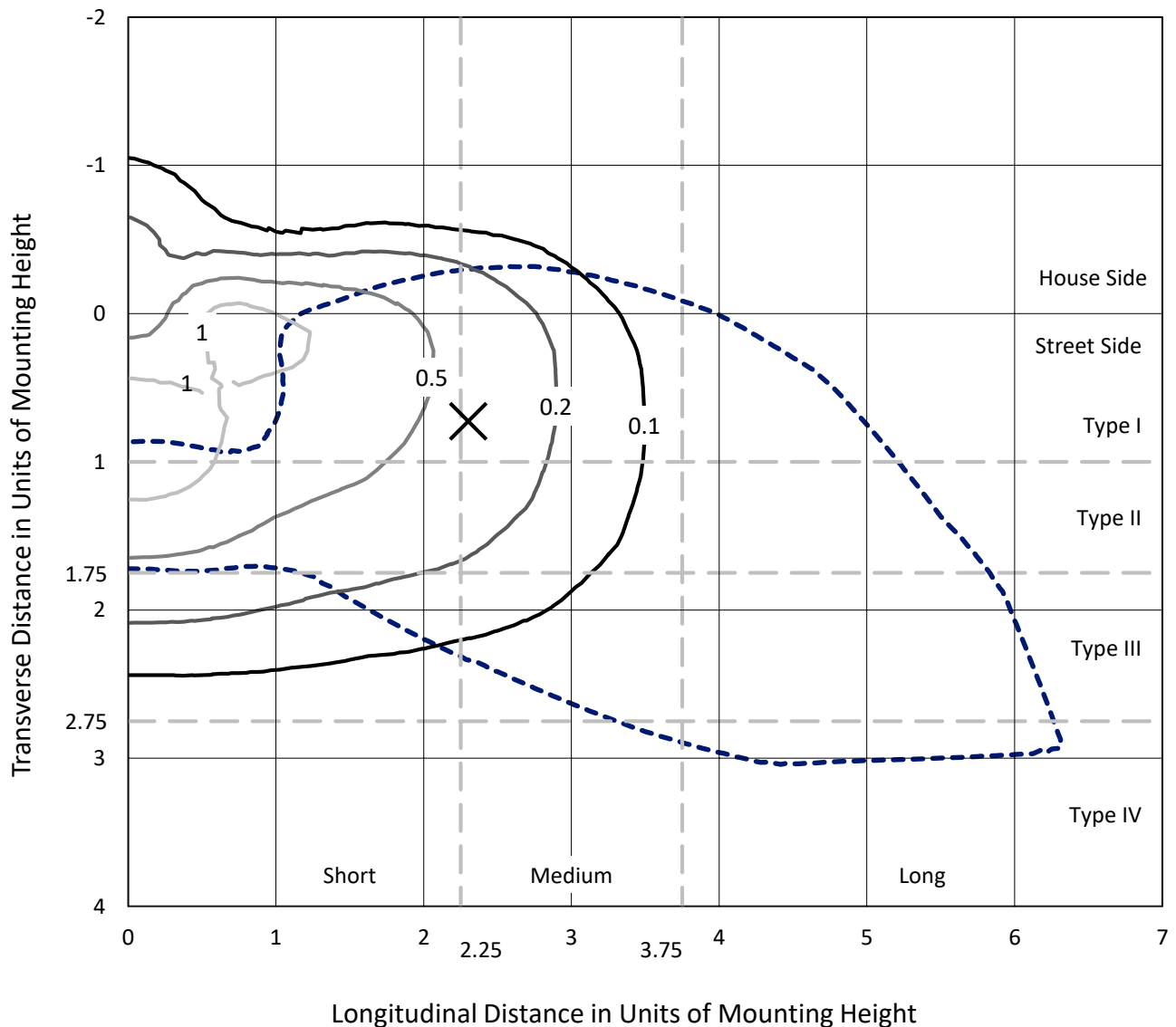
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P417003  
 CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

### Iso-Footcandle Lines of Horizontal Illumination

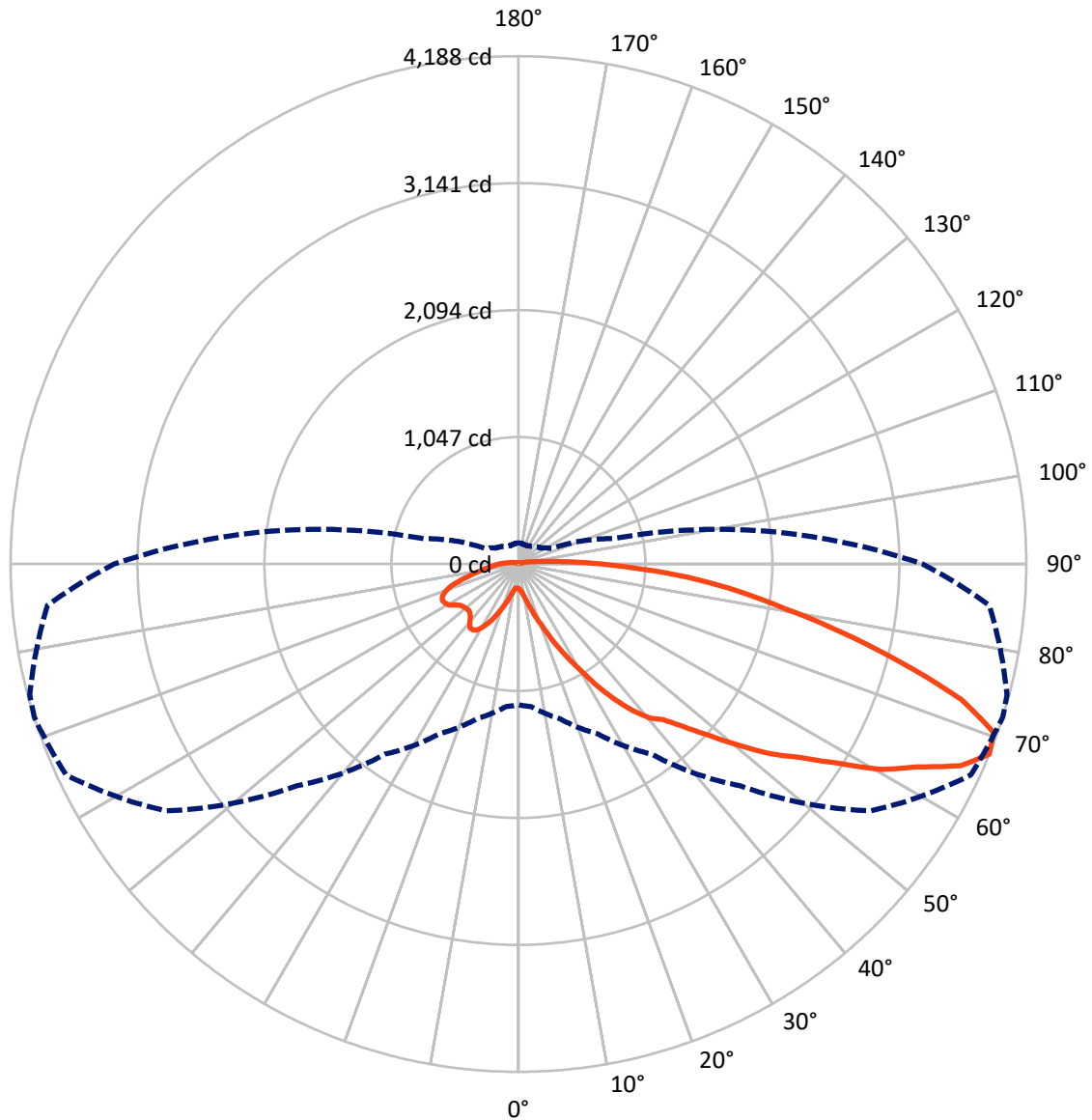
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P417003  
CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P417003

CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1182.8	104.0	1286.8
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	5326.2	147.0	5473.2
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	6509.0	251.0	6760.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.2	0.3
10°-20°	91.3	1.3
20°-30°	252.8	3.7
30°-40°	543.6	8.0
40°-50°	920.1	13.6
50°-60°	1350.0	20.0
60°-70°	1610.0	23.8
70°-80°	1202.3	17.8
80°-90°	517.8	7.7
90°-100°	150.2	2.2
100°-110°	48.9	0.7
110°-120°	22.9	0.3
120°-130°	14.0	0.2
130°-140°	9.0	0.1
140°-150°	4.0	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6509.0	96.3
0°-180°	6760.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P417003

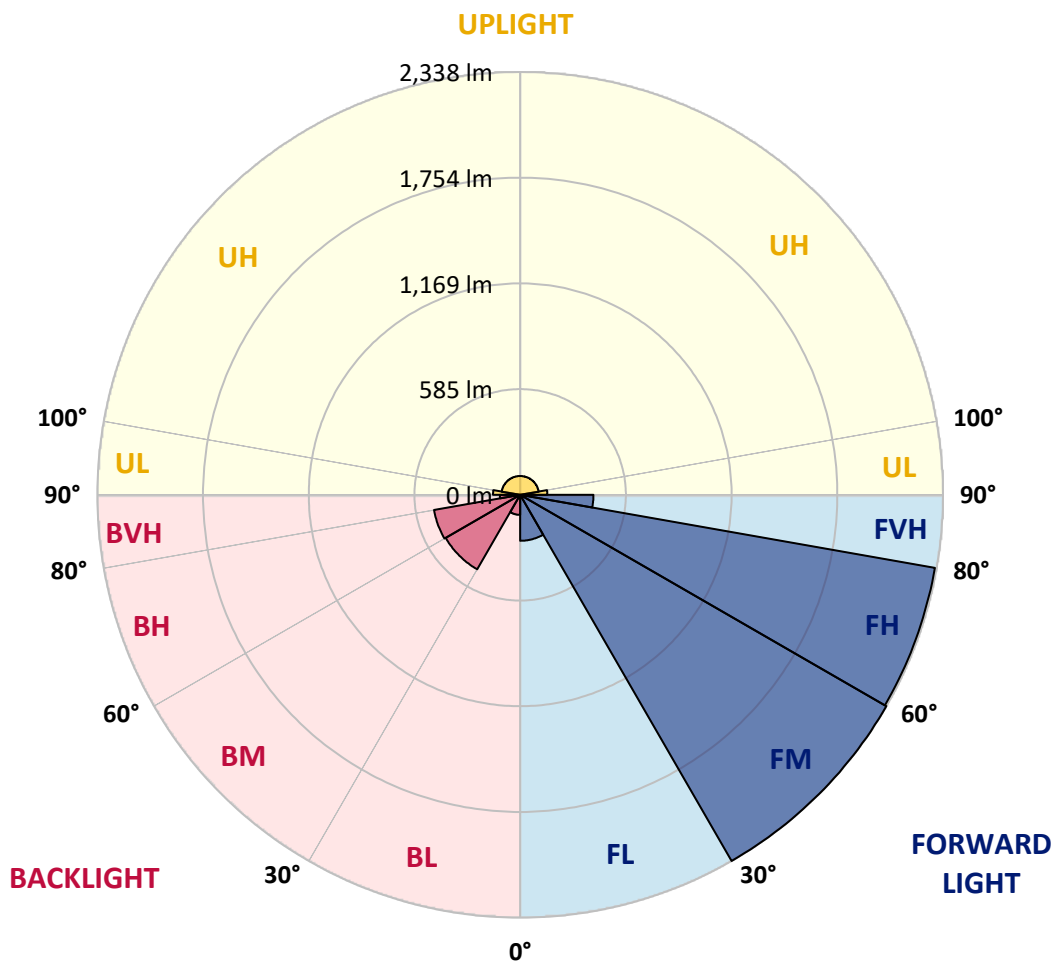
CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.4	3.8			
FM	(30°-60°)	2338.1	34.6			
FH	(60°-80°)	2328.7	34.4			G2/5000
FVH	(80°-90°)	405.0	6.0			G3/500
BL	(0°-30°)	110.8	1.6	B1/500		
BM	(30°-60°)	475.6	7.0	B1/1000		
BH	(60°-80°)	483.6	7.2	B1/500		G1/500
BVH	(80°-90°)	112.8	1.7			G2/225
UL	(90°-100°)	150.2	2.2		U3/500	
UH	(100°-180°)	104.0	1.5		U3/500	

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

Type IV Medium





REPORT NUMBER: P417003

CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
2.5°	221.9	223.5	225.1	224.3	223.5	221.1	217.2	213.2	209.2	209.2	206.1
5°	253.6	252.8	252.0	252.8	248.9	243.3	237.0	229.8	224.3	222.7	214.8
7.5°	290.1	288.5	290.1	285.3	279.8	272.6	263.1	253.6	244.1	242.5	229.8
10°	333.7	332.1	331.3	327.3	317.0	306.7	297.2	282.2	275.0	272.6	256.0
12.5°	388.4	387.6	382.8	374.9	361.4	351.1	337.6	329.7	322.6	317.0	300.4
15°	451.0	452.6	447.0	430.4	413.7	397.9	391.5	385.2	379.6	377.3	363.0
17.5°	538.9	535.8	523.1	497.7	470.8	458.1	452.6	448.6	454.1	452.6	430.4
20°	647.5	639.6	619.8	576.2	542.9	522.3	517.5	524.7	527.9	535.8	520.7
22.5°	775.1	764.8	731.5	682.4	634.1	595.2	590.5	611.9	631.7	634.1	627.7
25°	899.6	890.1	860.7	796.5	731.5	680.0	668.9	716.5	756.1	763.2	772.0
27.5°	1027.2	1022.4	979.6	909.9	838.5	773.5	772.0	823.5	885.3	901.9	917.0
30°	1172.2	1183.3	1129.4	1041.4	951.9	876.6	872.6	948.7	1024.8	1060.5	1085.8
32.5°	1376.7	1367.2	1299.8	1201.5	1068.4	980.4	986.0	1074.7	1203.1	1233.2	1266.5
35°	1611.3	1614.5	1522.5	1369.6	1212.6	1104.1	1100.1	1223.7	1372.7	1398.1	1453.6
37.5°	1803.9	1819.7	1751.6	1575.6	1374.3	1234.0	1239.6	1378.3	1535.2	1585.9	1634.3
40°	2010.8	2025.0	1945.8	1774.6	1550.3	1377.5	1385.4	1520.2	1669.9	1711.2	1723.0
42.5°	2236.6	2250.9	2155.0	1952.1	1698.5	1550.3	1519.4	1622.4	1753.2	1804.7	1815.0
45°	2448.3	2472.8	2376.1	2137.6	1864.1	1705.6	1658.9	1742.1	1913.3	1960.8	1971.9
47.5°	2513.2	2542.6	2500.6	2305.6	2022.6	1839.6	1808.6	1924.4	2109.0	2179.6	2165.3
50°	2575.9	2602.8	2577.4	2404.7	2154.2	1994.9	2002.0	2136.8	2346.0	2436.4	2425.3
52.5°	2585.4	2613.1	2587.0	2465.7	2266.8	2151.8	2231.1	2390.4	2598.0	2663.8	2648.0
55°	2601.2	2619.4	2595.7	2458.6	2348.4	2319.1	2468.9	2650.4	2815.2	2893.7	2867.5
57.5°	2380.9	2388.0	2474.4	2437.9	2365.8	2504.5	2736.7	2900.8	3095.0	3212.3	3198.8
60°	2063.9	2078.9	2185.9	2269.9	2353.9	2636.9	2999.9	3248.0	3438.2	3515.1	3442.1
62.5°	1803.1	1819.7	1932.3	2040.1	2253.3	2695.5	3274.9	3558.6	3683.9	3753.6	3667.2
65°	1452.8	1465.5	1602.6	1814.2	2089.2	2672.5	3481.0	3882.0	4008.0	4035.8	3868.5
67.5°	1161.1	1180.1	1319.6	1545.5	1913.3	2585.4	3548.3	4115.0	4187.9	4171.3	3897.9
70°	863.9	873.4	1043.8	1330.7	1704.8	2395.1	3484.1	4167.3	4156.2	4134.8	3760.0
72.5°	595.2	593.6	753.7	1033.5	1487.7	2178.0	3185.3	3871.7	3819.4	3763.9	3289.2
75°	384.4	405.8	505.7	751.4	1203.1	1864.1	2798.6	3362.1	3273.3	3185.3	2709.8
77.5°	259.2	274.2	355.1	538.2	919.4	1567.7	2408.6	2887.3	2739.1	2659.1	2187.5
80°	178.3	184.7	246.5	395.5	684.0	1243.5	1972.7	2389.6	2227.9	2132.8	1697.7
82.5°	125.2	130.0	172.0	291.7	515.2	928.9	1574.8	1987.8	1818.2	1749.2	1318.8
85°	90.4	93.5	123.6	217.2	391.5	697.5	1198.4	1546.3	1398.9	1345.8	942.4
87.5°	67.4	70.5	93.5	160.9	301.2	530.2	894.0	1107.2	948.7	879.8	595.2
90°	49.9	53.1	72.1	120.5	235.4	399.5	647.5	756.9	615.8	558.0	379.6
92.5°	37.3	39.6	53.9	88.0	179.9	305.9	456.5	478.7	364.6	332.1	239.4
95°	27.7	29.3	40.4	64.2	128.4	222.7	298.8	279.8	214.8	195.0	151.4
97.5°	23.0	23.8	31.7	49.1	90.4	156.1	191.8	172.0	138.7	129.2	104.6
100°	19.0	19.8	25.4	37.3	65.8	107.0	126.8	111.8	96.7	92.7	81.6
102.5°	16.6	17.4	21.4	30.9	49.1	76.9	88.0	80.0	71.3	68.2	63.4
105°	15.1	15.1	19.0	26.2	40.4	57.9	64.2	58.7	53.1	51.5	50.7
107.5°	13.5	13.5	16.6	23.0	33.3	45.2	48.3	43.6	38.8	38.0	40.4
110°	12.7	12.7	15.1	20.6	28.5	37.3	38.0	32.5	29.3	29.3	32.5



REPORT NUMBER: P417003

CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.9	11.9	14.3	18.2	25.4	30.9	30.1	25.4	23.0	23.0	26.9
115°	11.9	11.9	13.5	17.4	22.2	26.2	24.6	20.6	19.0	19.0	23.0
117.5°	11.9	12.7	13.5	16.6	20.6	23.0	21.4	17.4	16.6	16.6	20.6
120°	12.7	12.7	13.5	16.6	19.0	19.8	18.2	15.1	14.3	15.1	19.0
122.5°	12.7	12.7	14.3	16.6	18.2	18.2	15.9	13.5	13.5	13.5	17.4
125°	13.5	13.5	14.3	16.6	17.4	16.6	14.3	12.7	12.7	13.5	15.9
127.5°	14.3	14.3	15.1	16.6	16.6	15.1	13.5	11.9	11.9	12.7	15.9
130°	15.9	15.9	15.9	16.6	15.1	13.5	11.9	11.1	11.9	12.7	15.9
132.5°	15.9	15.9	15.9	15.9	14.3	11.9	11.1	10.3	11.9	12.7	15.1
135°	14.3	14.3	14.3	14.3	12.7	10.3	9.5	9.5	11.1	11.9	14.3
137.5°	12.7	12.7	12.7	11.9	11.1	9.5	7.9	7.9	9.5	10.3	12.7
140°	11.1	11.1	10.3	10.3	9.5	7.9	7.1	7.1	7.9	8.7	10.3
142.5°	8.7	8.7	8.7	8.7	7.9	6.3	5.5	5.5	7.1	7.9	8.7
145°	7.1	7.1	7.1	7.1	6.3	5.5	4.8	4.8	5.5	6.3	7.1
147.5°	5.5	5.5	6.3	6.3	5.5	4.8	3.2	4.0	4.8	4.8	5.5
150°	4.8	4.8	4.8	5.5	4.0	3.2	2.4	3.2	4.0	4.0	4.8
152.5°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	3.2	3.2	4.0	4.0
155°	2.4	2.4	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2	4.0
157.5°	1.6	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4	3.2
160°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6





REPORT NUMBER: P417003

CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
2.5°	203.7	202.1	198.9	195.8	192.6	189.4	188.6	187.0	186.3	185.5	186.3
5°	211.6	206.9	199.7	192.6	186.3	180.7	176.7	172.8	169.6	168.0	168.0
7.5°	225.9	218.0	206.1	194.2	183.1	173.6	167.2	161.7	157.7	156.1	155.3
10°	248.1	238.6	221.1	202.1	185.5	171.2	161.7	155.3	151.4	149.0	149.0
12.5°	286.9	275.8	248.1	218.7	191.8	172.0	159.3	153.0	149.0	148.2	149.0
15°	347.9	330.5	290.1	248.1	206.9	173.6	157.7	155.3	156.9	157.7	157.7
17.5°	419.3	395.5	344.0	280.6	223.5	180.7	164.1	162.5	164.9	167.2	168.8
20°	499.3	468.4	393.9	311.5	234.6	191.0	170.4	167.2	172.8	177.5	176.7
22.5°	600.8	563.5	457.3	335.3	242.5	193.4	172.8	169.6	179.1	184.7	186.3
25°	733.9	680.8	531.8	360.6	247.3	190.2	171.2	172.0	186.3	197.4	199.7
27.5°	879.0	802.1	600.8	381.2	247.3	182.3	168.8	178.3	198.1	212.4	214.0
30°	1037.5	930.5	661.0	397.1	240.1	174.4	166.4	181.5	201.3	216.4	218.0
32.5°	1206.3	1063.6	723.6	402.6	229.8	168.0	164.1	179.1	195.8	209.2	212.4
35°	1356.1	1182.5	748.2	394.7	215.6	163.3	158.5	171.2	187.8	204.5	205.3
37.5°	1512.2	1295.9	759.3	372.5	201.3	158.5	153.8	165.6	185.5	205.3	207.7
40°	1578.8	1325.2	727.6	341.6	187.8	155.3	151.4	164.9	186.3	206.1	209.2
42.5°	1647.0	1353.7	688.7	297.2	179.1	154.6	153.8	164.9	182.3	198.1	200.5
45°	1763.5	1417.1	671.3	267.1	174.4	156.9	156.1	162.5	175.2	189.4	194.2
47.5°	1929.9	1513.0	662.6	248.1	174.4	160.9	158.5	160.1	168.0	180.7	184.7
50°	2143.1	1646.2	673.7	237.8	178.3	166.4	161.7	159.3	162.5	176.0	180.7
52.5°	2322.2	1773.8	687.2	236.2	184.7	173.6	166.4	159.3	161.7	177.5	183.1
55°	2510.1	1895.0	702.2	240.1	192.6	179.1	169.6	160.9	162.5	177.5	183.9
57.5°	2782.7	2101.1	741.1	248.9	200.5	185.5	173.6	163.3	161.7	173.6	178.3
60°	3031.6	2297.7	798.9	265.5	210.0	191.8	177.5	164.9	160.9	168.8	172.0
62.5°	3182.2	2403.9	821.1	281.4	219.5	197.4	179.1	164.9	163.3	170.4	172.8
65°	3337.5	2505.3	829.8	294.0	225.1	200.5	179.1	166.4	166.4	171.2	172.0
67.5°	3332.0	2483.1	809.2	300.4	229.8	202.1	179.1	166.4	168.0	172.8	173.6
70°	3186.1	2355.5	757.7	299.6	229.1	199.7	176.0	165.6	172.0	177.5	178.3
72.5°	2758.1	2025.0	674.5	290.1	221.9	193.4	171.2	164.1	173.6	181.5	181.5
75°	2262.8	1649.3	557.2	271.9	213.2	185.5	164.1	158.5	170.4	181.5	181.5
77.5°	1782.5	1291.1	451.8	248.1	200.5	176.0	155.3	149.0	162.5	172.8	172.0
80°	1384.6	978.8	363.0	224.3	186.3	165.6	145.0	137.9	149.8	156.9	155.3
82.5°	1062.0	753.7	299.6	202.1	172.0	153.8	134.7	128.4	139.5	144.2	142.7
85°	725.2	539.7	245.7	177.5	153.8	139.5	124.4	119.7	132.4	137.9	136.3
87.5°	478.7	370.9	205.3	156.1	135.5	125.2	112.5	111.0	125.2	130.8	130.0
90°	316.2	259.2	174.4	135.5	118.1	109.4	101.4	101.4	114.1	118.9	115.7
92.5°	208.4	183.9	137.9	114.9	100.7	95.1	90.4	89.6	100.7	102.2	99.9
95°	141.9	129.2	107.8	95.1	84.8	81.6	77.7	79.3	86.4	84.8	82.4
97.5°	101.4	98.3	87.2	77.7	70.5	69.7	68.2	69.0	72.9	69.7	68.2
100°	80.8	78.5	72.1	65.0	60.2	59.4	58.7	59.4	61.8	58.7	57.1
102.5°	65.0	65.0	60.2	54.7	50.7	51.5	51.5	51.5	52.3	47.6	47.6
105°	52.3	52.3	50.7	46.0	43.6	43.6	44.4	44.4	44.4	41.2	41.2
107.5°	42.0	43.6	42.8	38.8	37.3	38.0	38.0	37.3	37.3	35.7	35.7
110°	34.1	35.7	35.7	33.3	32.5	33.3	32.5	31.7	30.9	30.9	30.9



REPORT NUMBER: P417003

CATALOG NUMBER: LXF.LXT-PA1-90-722-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.5	30.1	30.9	29.3	28.5	28.5	27.7	26.9	26.9	27.7	27.7
115°	24.6	26.2	26.9	25.4	25.4	25.4	23.8	23.0	23.0	24.6	24.6
117.5°	22.2	23.0	23.8	23.0	22.2	22.2	21.4	19.8	19.8	21.4	22.2
120°	19.8	20.6	21.4	20.6	19.8	19.0	18.2	17.4	17.4	19.8	19.8
122.5°	18.2	19.0	19.0	18.2	17.4	17.4	16.6	15.9	15.9	17.4	18.2
125°	17.4	17.4	17.4	16.6	15.9	15.1	14.3	14.3	14.3	15.9	15.9
127.5°	16.6	16.6	15.9	15.1	14.3	13.5	13.5	12.7	12.7	14.3	15.1
130°	16.6	16.6	15.1	14.3	13.5	11.9	11.9	11.1	11.9	13.5	13.5
132.5°	15.9	15.9	14.3	13.5	11.9	11.1	10.3	10.3	10.3	11.9	12.7
135°	15.1	14.3	12.7	11.9	10.3	9.5	9.5	9.5	9.5	11.1	11.1
137.5°	13.5	12.7	11.1	10.3	9.5	8.7	7.9	7.9	8.7	9.5	10.3
140°	11.1	11.1	9.5	8.7	7.9	7.1	7.1	7.1	7.9	8.7	8.7
142.5°	9.5	9.5	7.9	7.1	6.3	5.5	6.3	6.3	7.1	7.9	7.9
145°	7.9	7.1	7.1	5.5	5.5	4.8	4.8	5.5	6.3	7.1	7.1
147.5°	6.3	6.3	5.5	4.8	4.0	4.0	4.0	4.8	5.5	5.5	6.3
150°	5.5	5.5	4.8	4.8	3.2	2.4	3.2	4.8	4.8	4.8	4.8
152.5°	4.8	4.8	4.8	4.0	3.2	1.6	2.4	4.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	3.2	2.4	0.8	2.4	3.2	3.2	3.2	3.2
157.5°	3.2	3.2	3.2	3.2	1.6	0.8	1.6	2.4	2.4	2.4	3.2
160°	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	2.4	2.4	2.4
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	1.6	1.6	1.6
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)