

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: P416104

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416104  
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-PA1-60-827-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 800mA 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: 5396 lumens  
Efficiency: N/A  
Efficacy: 84.3 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: B1 - U3 - G2

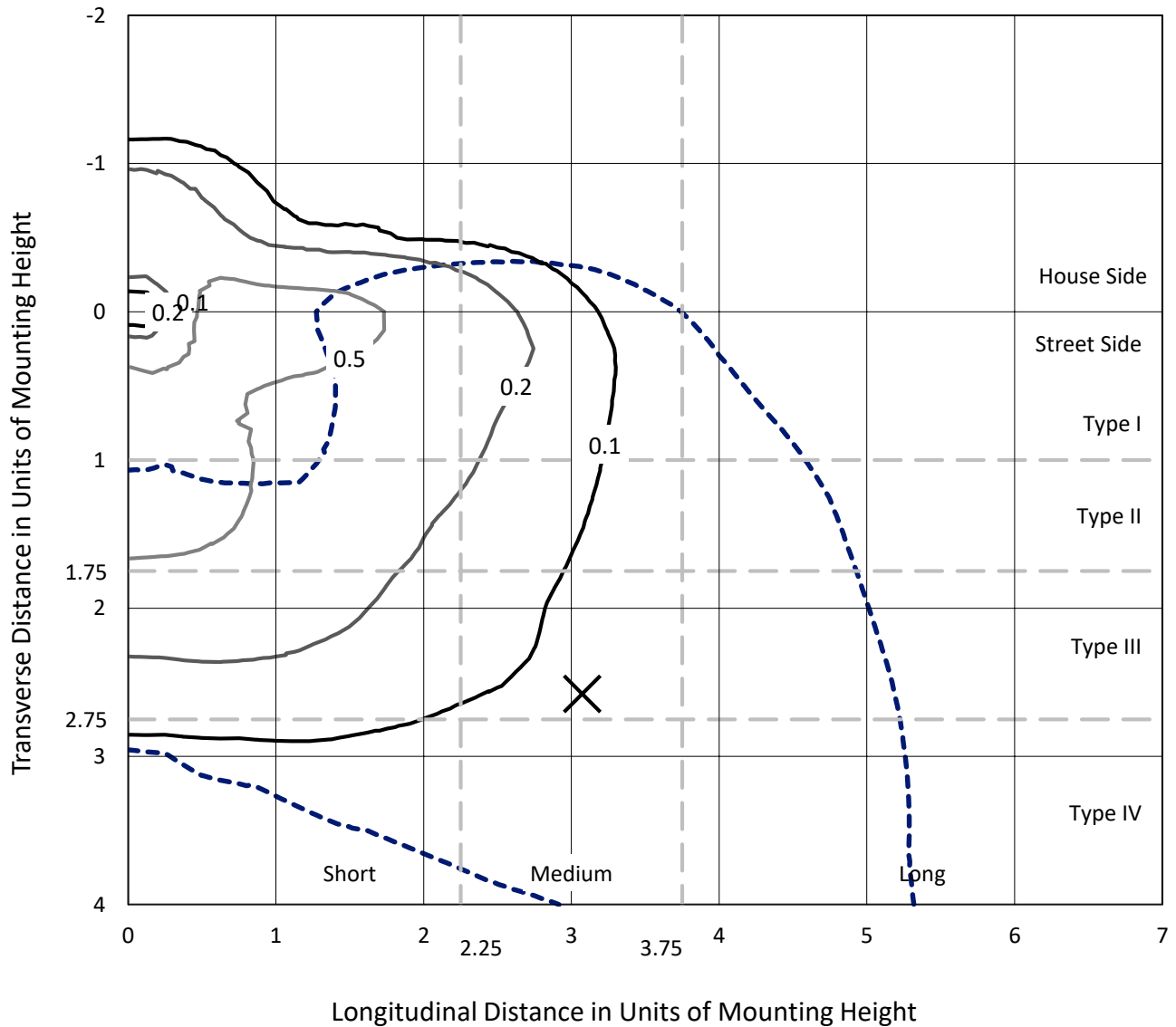
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416104  
 CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

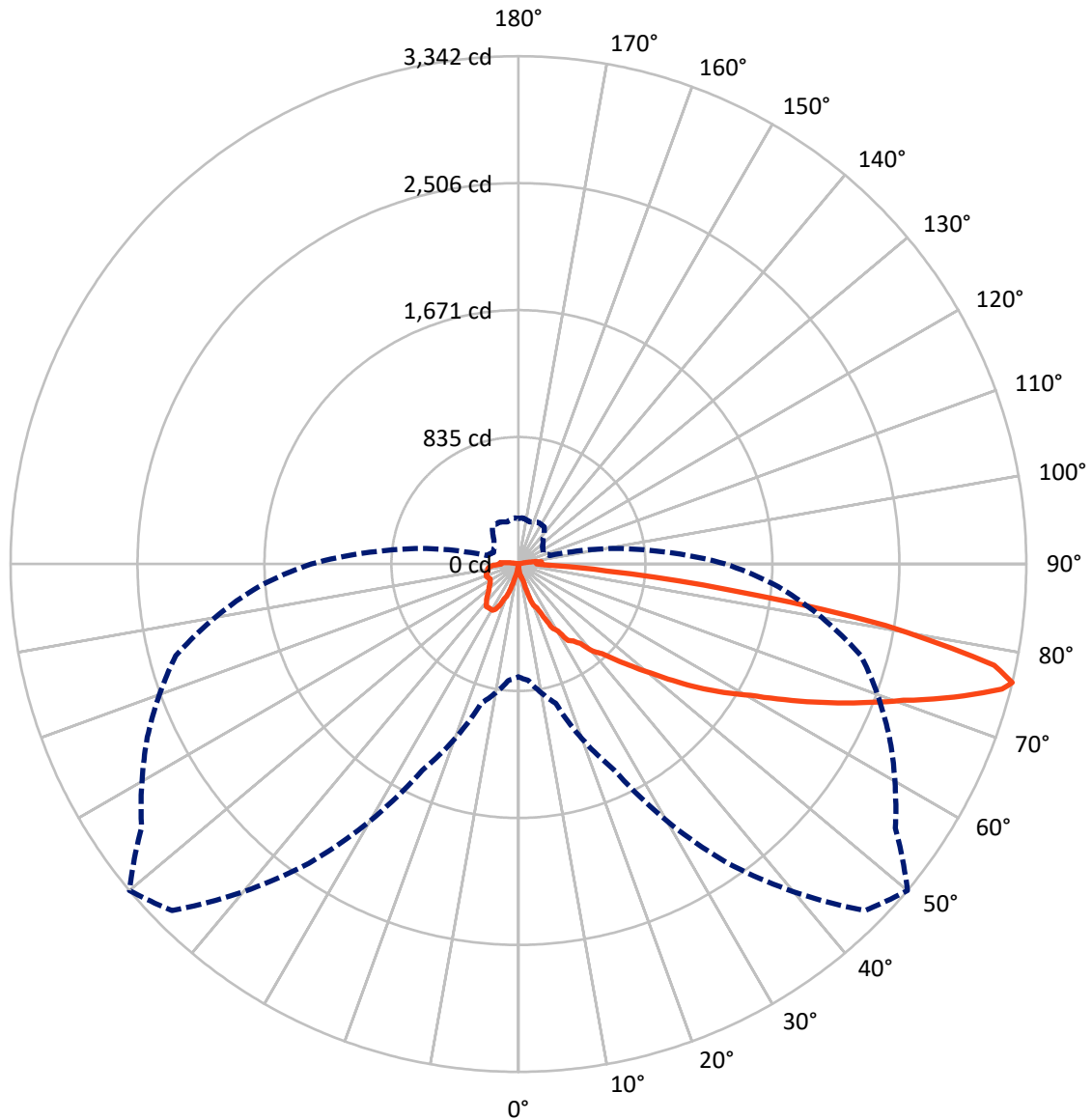


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416104

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P416104

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1177.7	66.4	1244.1
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	4098.7	53.3	4152.0
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	5276.4	119.6	5396.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	45.0	0.8
20°-30°	176.0	3.3
30°-40°	378.9	7.0
40°-50°	617.3	11.4
50°-60°	993.8	18.4
60°-70°	1447.5	26.8
70°-80°	1291.4	23.9
80°-90°	323.5	6.0
90°-100°	94.7	1.8
100°-110°	14.0	0.3
110°-120°	4.0	0.1
120°-130°	2.8	0.1
130°-140°	1.8	0.0
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5276.4	97.8
0°-180°	5396.0	100.0



REPORT NUMBER: P416104

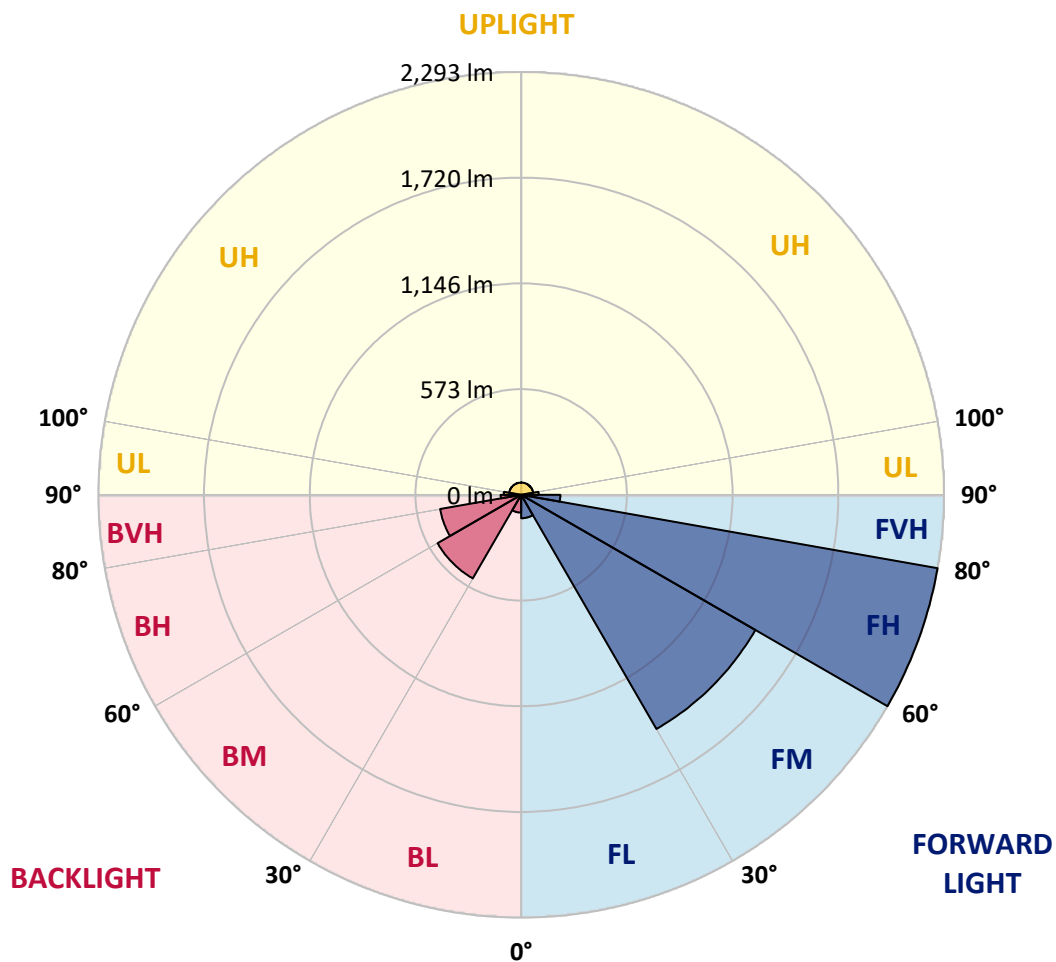
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.2	2.4			
FM (30°-60°)	1466.3	27.2			
FH (60°-80°)	2292.8	42.5			G2/5000
FVH (80°-90°)	212.4	3.9			G2/225
BL (0°-30°)	96.8	1.8	B0/110		
BM (30°-60°)	523.7	9.7	B1/1000		
BH (60°-80°)	446.1	8.3	B1/500		G1/500
BVH (80°-90°)	111.1	2.1			G2/225
UL (90°-100°)	94.7	1.8		U3/500	
UH (100°-180°)	66.4	1.2		U3/500	

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

Type IV Medium





REPORT NUMBER: P416104

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	7.8	6.0	5.4	4.8	4.8	4.2	4.2	3.6	3.6	3.6	3.6
5°	75.6	73.2	67.8	63.0	21.6	18.0	15.0	11.4	4.2	4.2	3.6
7.5°	90.6	88.8	85.2	82.8	79.2	73.8	67.8	31.8	12.6	4.8	4.2
10°	118.7	109.7	102.5	96.5	92.4	83.4	81.0	76.2	21.0	9.0	6.6
12.5°	212.3	207.5	200.3	136.1	112.1	96.0	92.4	88.2	68.4	32.4	58.2
15°	233.9	229.1	221.9	212.9	199.7	118.1	110.9	137.9	176.3	132.5	138.5
17.5°	274.7	272.3	253.1	231.5	218.3	232.1	232.7	211.1	200.3	175.1	159.5
20°	380.8	378.4	367.6	312.4	247.1	293.2	292.0	281.3	224.9	258.5	278.3
22.5°	396.4	393.4	383.8	368.8	391.0	321.4	313.6	313.6	331.6	351.4	327.4
25°	521.7	518.7	445.6	388.0	419.2	382.6	383.8	424.6	367.0	385.6	368.2
27.5°	545.1	540.9	534.9	496.5	441.4	484.5	478.0	455.8	477.4	532.5	513.9
30°	636.3	590.1	570.3	548.1	521.1	513.3	510.3	550.5	566.1	562.5	567.9
32.5°	738.2	736.4	717.2	584.7	589.5	551.7	600.3	618.3	594.3	683.0	740.0
35°	886.9	825.8	788.6	700.4	613.5	638.1	621.3	639.9	722.0	730.4	785.0
37.5°	1114.8	1111.2	1026.1	773.0	707.6	653.1	665.1	716.6	770.6	782.6	856.4
40°	1303.1	1285.7	1231.8	963.7	769.4	706.4	754.4	743.0	800.0	842.0	912.7
42.5°	1442.9	1459.0	1428.5	1115.4	893.5	791.0	805.4	790.4	843.2	921.7	993.7
45°	1576.6	1570.0	1591.0	1269.5	1012.9	899.5	898.3	861.8	922.3	1010.5	1105.2
47.5°	1685.7	1676.1	1697.7	1436.9	1150.2	997.9	1006.3	958.9	1017.1	1121.4	1270.7
50°	1807.5	1788.9	1803.3	1577.2	1329.5	1140.0	1128.6	1092.0	1125.0	1267.1	1472.8
52.5°	1953.8	1940.6	1914.8	1716.9	1514.2	1286.3	1271.9	1236.6	1272.5	1448.2	1696.5
55°	2085.1	2070.1	2049.1	1909.4	1667.7	1435.1	1435.7	1400.3	1470.4	1646.1	1956.2
57.5°	2221.8	2214.7	2225.4	2124.7	1887.2	1590.4	1594.0	1572.4	1698.3	1849.4	2231.4
60°	2335.2	2324.4	2384.4	2344.8	2082.1	1767.9	1753.5	1776.9	1931.0	2061.7	2510.3
62.5°	2378.4	2385.6	2498.9	2547.5	2271.0	1959.2	1964.6	1996.4	2146.3	2316.0	2779.0
65°	2175.7	2200.9	2517.5	2582.9	2481.5	2171.5	2197.3	2191.9	2367.0	2503.1	3005.6
67.5°	1955.6	1984.4	2328.6	2591.9	2644.6	2420.9	2434.1	2380.8	2557.1	2620.0	3174.8
70°	1799.7	1821.9	2104.9	2540.9	2744.8	2681.2	2687.2	2588.3	2695.0	2757.4	3168.8
72.5°	1529.8	1553.2	1814.7	2348.4	2807.1	2996.6	2996.6	2778.4	2806.5	2754.4	2798.1
75°	1033.9	1042.9	1256.9	1823.1	2645.8	3253.9	3285.1	2985.9	2768.2	2501.9	2086.9
76°	742.4	770.0	949.3	1496.8	2403.0	3224.5	3341.5	3027.8	2693.2	2334.6	1717.5
77.5°	393.4	418.6	560.1	958.3	1949.0	2998.4	3200.5	2898.9	2455.7	2004.2	1270.1
80°	154.1	152.3	192.5	341.2	987.1	2280.6	2449.1	2136.7	1661.1	1161.0	603.3
82.5°	84.6	93.0	122.3	180.5	428.2	1258.1	1383.5	1127.4	848.0	535.5	352.6
85°	54.0	55.2	72.0	111.5	264.5	530.1	582.3	482.7	397.0	328.6	250.7
87.5°	32.4	33.6	37.8	51.6	130.7	155.9	170.3	200.3	227.9	226.1	216.5
90°	22.2	22.2	18.6	20.4	61.2	124.7	119.9	127.7	116.3	147.5	208.7
92.5°	21.6	21.6	18.0	18.6	52.2	138.5	139.1	138.5	122.9	150.5	219.5
95°	19.2	19.8	15.6	16.2	38.4	129.5	152.3	147.5	124.1	151.7	218.9
97.5°	16.2	16.8	12.0	13.8	25.8	87.6	113.3	115.7	77.4	76.8	98.9
100°	12.0	12.6	8.4	10.8	15.6	40.2	60.6	57.0	38.4	21.0	13.8
102.5°	11.4	12.0	7.2	8.4	9.6	13.8	22.2	16.8	14.4	12.0	12.0
105°	12.6	12.6	6.6	6.0	6.0	6.6	5.4	7.8	8.4	9.0	12.6
107.5°	10.8	11.4	4.8	4.8	4.2	4.2	3.6	3.6	4.8	7.8	13.8



REPORT NUMBER: P416104

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	8.4	8.4	4.2	4.2	3.0	3.6	3.6	3.0	4.2	6.0	10.8
112.5°	4.8	5.4	2.4	3.6	2.4	3.0	3.0	2.4	3.6	4.2	6.0
115°	4.8	4.8	2.4	1.8	1.8	1.8	2.4	2.4	3.0	4.2	6.6
117.5°	4.8	4.8	2.4	1.8	1.2	1.8	1.8	1.8	3.0	4.2	6.6
120°	4.8	4.8	2.4	1.2	1.2	1.2	1.2	1.8	3.0	4.2	6.6
122.5°	5.4	4.8	2.4	1.2	1.2	1.2	1.2	1.8	3.0	4.2	6.0
125°	5.4	4.8	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.6	5.4
127.5°	5.4	4.8	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.6	4.8
130°	4.8	4.8	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.6	4.8
132.5°	4.8	4.2	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.0	4.2
135°	4.2	3.6	2.4	1.2	1.8	1.2	1.8	1.8	2.4	3.0	3.6
137.5°	3.6	3.6	2.4	1.8	1.8	1.8	1.8	1.8	2.4	3.0	3.0
140°	4.2	3.6	2.4	2.4	1.8	1.8	1.8	1.8	2.4	3.0	3.0
142.5°	4.8	4.2	3.0	2.4	2.4	1.8	1.8	2.4	2.4	3.0	3.0
145°	4.8	4.8	3.6	3.0	1.8	1.8	1.8	2.4	3.0	3.0	3.6
147.5°	5.4	4.8	3.6	3.0	1.8	1.2	1.8	1.8	3.0	3.6	3.6
150°	4.8	4.8	3.0	2.4	1.2	0.6	1.2	1.8	3.0	3.6	3.6
152.5°	3.6	3.6	2.4	1.2	0.6	0.6	1.2	1.8	2.4	3.0	3.6
155°	2.4	2.4	1.2	0.6	0.0	0.6	0.6	1.2	1.8	2.4	3.0
157.5°	1.2	1.2	0.6	0.0	0.0	0.6	0.6	1.2	1.8	2.4	2.4
160°	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.2	1.8	1.8
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: P416104

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.6	3.0	3.0	2.4	2.4	1.8	1.8	1.8	1.8	2.4	3.0
5°	3.6	3.6	3.0	3.0	3.0	2.4	2.4	3.6	4.2	4.8	4.8
7.5°	3.6	3.6	3.6	3.0	3.6	4.8	19.2	55.2	60.6	64.2	65.4
10°	6.6	6.0	5.4	4.8	9.0	61.2	75.6	82.2	85.2	88.2	88.2
12.5°	63.0	63.0	25.8	14.4	61.8	82.2	86.4	91.2	95.4	99.5	100.1
15°	136.7	134.9	130.1	119.3	103.1	93.0	97.1	143.9	169.1	180.5	178.7
17.5°	156.5	154.1	151.1	172.1	179.3	143.3	167.3	185.9	191.3	197.3	196.7
20°	290.2	287.3	223.7	200.3	196.1	240.5	191.3	195.5	205.1	261.5	263.3
22.5°	325.0	321.4	299.2	305.2	229.1	260.9	252.5	264.5	295.0	304.0	305.2
25°	380.8	366.4	339.4	319.0	324.4	272.3	314.2	294.4	305.8	316.6	318.4
27.5°	527.1	518.7	470.8	357.4	331.0	340.6	327.4	320.2	382.6	405.4	407.2
30°	567.9	559.5	499.5	413.8	349.0	349.0	329.8	399.4	402.4	414.4	417.4
32.5°	771.8	755.0	635.1	420.4	362.2	333.4	373.6	393.4	441.4	477.4	483.3
35°	819.2	804.8	655.5	480.4	350.2	347.2	352.6	414.4	449.8	471.4	476.2
37.5°	868.3	852.2	653.1	457.6	371.2	331.0	343.0	387.4	438.4	494.1	501.3
40°	935.5	915.7	656.1	428.2	347.8	313.0	322.0	371.8	406.6	441.4	447.4
42.5°	1025.5	985.9	661.5	401.8	320.8	305.2	307.0	335.8	352.0	366.4	366.4
45°	1146.6	1082.4	663.3	374.2	293.8	287.3	289.6	302.8	308.8	299.8	295.6
47.5°	1309.1	1201.8	685.4	349.6	271.1	267.5	269.3	273.5	270.5	247.1	242.9
50°	1498.6	1342.1	697.4	328.0	254.3	253.7	250.7	250.7	239.9	213.5	211.7
52.5°	1707.9	1509.4	707.6	301.6	242.3	245.3	245.3	232.7	216.5	195.5	193.7
55°	1973.6	1702.5	722.6	278.9	232.1	231.5	238.1	222.5	205.7	187.7	187.7
57.5°	2237.4	1907.0	740.6	259.1	220.7	221.9	231.5	218.9	209.9	202.7	202.1
60°	2501.3	2118.1	711.8	241.1	216.5	214.1	229.7	232.7	221.9	226.1	230.3
62.5°	2749.0	2253.0	596.1	225.5	208.7	212.3	245.3	263.9	260.3	256.1	257.3
65°	2865.9	2280.6	483.3	211.7	203.3	224.9	270.5	298.6	286.7	272.9	271.7
67.5°	2885.7	2209.3	355.6	203.3	200.3	247.1	290.2	306.4	288.5	283.1	278.3
70°	2746.6	2028.1	284.3	194.3	202.7	250.7	302.8	304.6	291.4	297.4	291.4
72.5°	2335.8	1689.3	248.9	185.9	203.3	241.7	302.8	305.2	290.2	307.6	304.6
75°	1672.5	1184.4	221.3	178.7	196.7	231.5	298.6	304.6	286.7	305.8	301.0
76°	1362.5	939.7	213.5	180.5	193.7	227.9	297.4	302.8	287.3	304.6	299.8
77.5°	900.1	614.1	200.3	179.3	188.3	226.1	294.4	300.4	286.7	301.0	296.2
80°	481.6	347.8	180.5	167.3	181.7	227.3	292.0	294.4	275.3	291.4	285.5
82.5°	317.2	259.1	155.9	151.7	175.1	229.1	290.8	287.3	265.7	291.4	275.3
85°	248.9	214.1	116.9	121.7	159.5	221.3	287.3	277.1	257.3	264.5	254.9
87.5°	211.1	176.3	70.2	87.0	139.7	188.3	254.9	229.1	217.7	224.9	220.7
90°	198.5	155.9	39.6	61.2	104.9	125.3	160.7	149.3	144.5	152.9	151.1
92.5°	200.3	152.3	39.0	58.2	112.1	134.9	166.1	152.9	138.5	138.5	136.7
95°	191.3	142.1	38.4	46.2	101.3	131.3	155.9	137.3	111.5	106.1	104.3
97.5°	83.4	69.0	36.0	35.4	58.2	90.6	113.3	98.3	73.8	57.6	57.6
100°	13.8	22.2	31.2	34.2	34.2	48.0	64.2	60.6	35.4	18.6	19.2
102.5°	14.4	12.6	21.6	28.2	22.2	19.8	29.4	36.6	23.4	7.2	7.8
105°	15.0	13.2	10.8	19.8	12.6	6.6	9.0	16.8	10.8	7.2	7.2
107.5°	16.2	13.8	6.6	7.2	5.4	5.4	4.8	4.2	5.4	7.2	7.8



REPORT NUMBER: P416104

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.6	11.4	6.0	5.4	4.8	5.4	3.6	3.6	4.2	7.2	7.8
112.5°	7.2	7.2	5.4	4.2	4.2	4.8	3.0	3.0	4.2	7.8	7.8
115°	7.2	7.2	4.8	3.6	3.0	3.6	3.0	2.4	4.2	7.8	8.4
117.5°	7.2	7.2	4.8	3.6	3.0	2.4	2.4	2.4	4.2	7.8	8.4
120°	7.2	6.6	4.2	3.0	3.0	1.8	1.8	1.8	3.6	7.8	8.4
122.5°	6.6	6.6	4.2	3.0	2.4	1.8	1.8	1.8	3.6	7.2	7.8
125°	6.0	6.0	4.2	3.0	2.4	1.8	1.2	1.8	3.6	6.6	7.2
127.5°	5.4	5.4	3.6	3.0	2.4	1.8	1.2	1.8	3.6	6.6	7.2
130°	4.8	4.8	3.6	2.4	2.4	1.2	1.2	1.2	3.6	6.0	6.6
132.5°	4.2	4.2	3.0	2.4	1.8	1.2	0.6	1.2	3.0	5.4	5.4
135°	3.6	3.6	3.0	2.4	1.8	1.2	0.6	1.2	2.4	4.2	4.8
137.5°	3.0	3.0	2.4	2.4	1.8	1.2	0.6	1.2	1.8	3.6	3.6
140°	3.0	3.0	2.4	2.4	1.8	1.2	0.6	1.2	1.8	3.0	3.6
142.5°	3.0	3.0	2.4	2.4	1.8	1.2	0.6	1.2	1.8	3.0	3.6
145°	3.6	3.0	3.0	2.4	1.8	1.2	0.6	1.2	2.4	3.6	3.6
147.5°	3.6	3.6	3.0	2.4	1.8	1.2	0.6	1.2	2.4	3.6	3.6
150°	3.6	3.6	3.0	2.4	1.8	0.6	0.0	0.6	1.8	3.0	3.6
152.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.0	1.2	2.4	2.4
155°	3.0	2.4	2.4	1.8	1.2	0.6	0.0	0.0	0.6	1.2	1.2
157.5°	2.4	2.4	1.8	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.6
160°	1.8	1.8	1.2	1.2	0.6	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)