

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: P417339

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417339  
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-PA1-90-827-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 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: 6848 lumens  
Efficiency: N/A  
Efficacy: 72.9 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 - G2

Input Watts (W): 94  
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

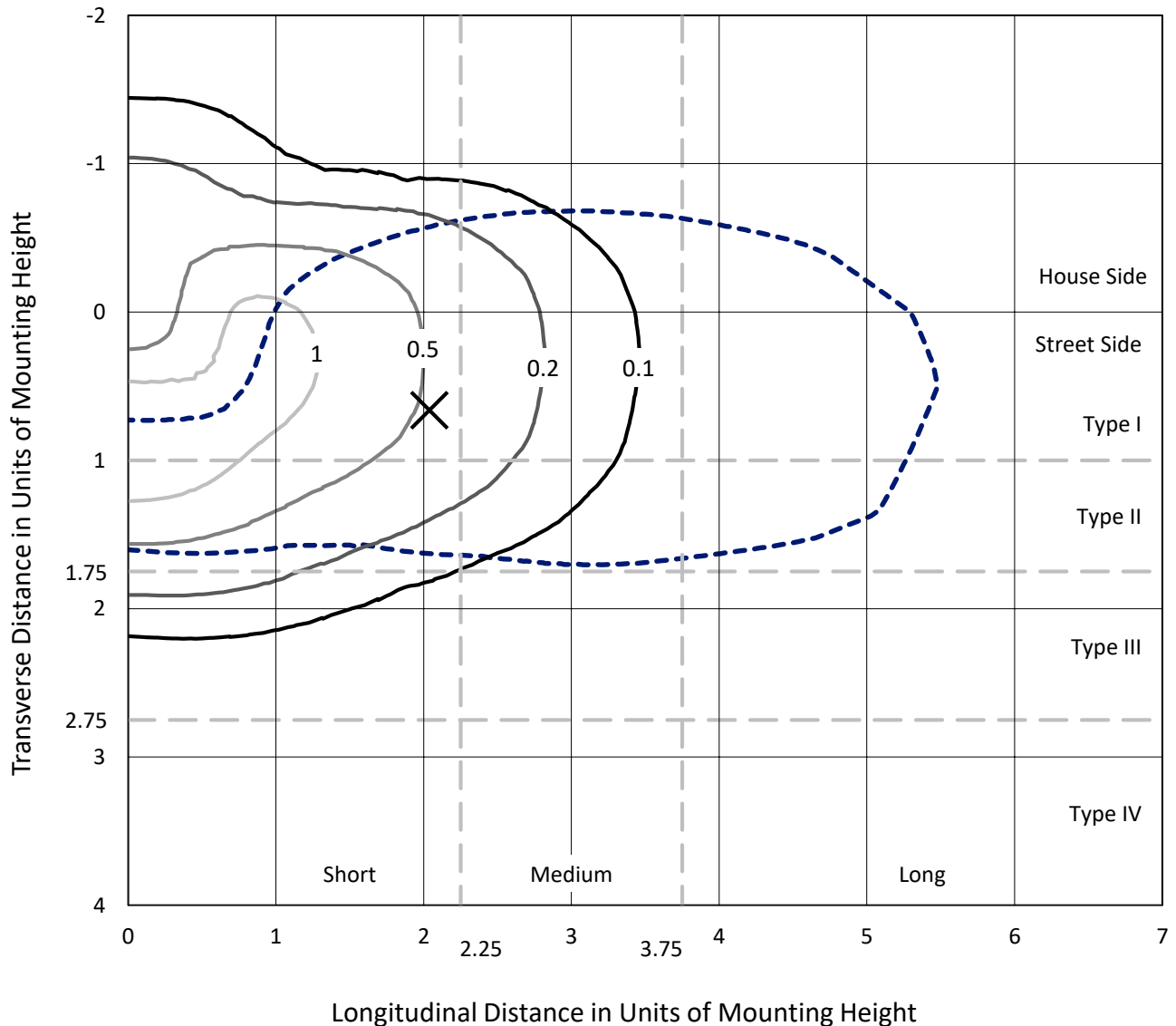


REPORT NUMBER: P417339

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

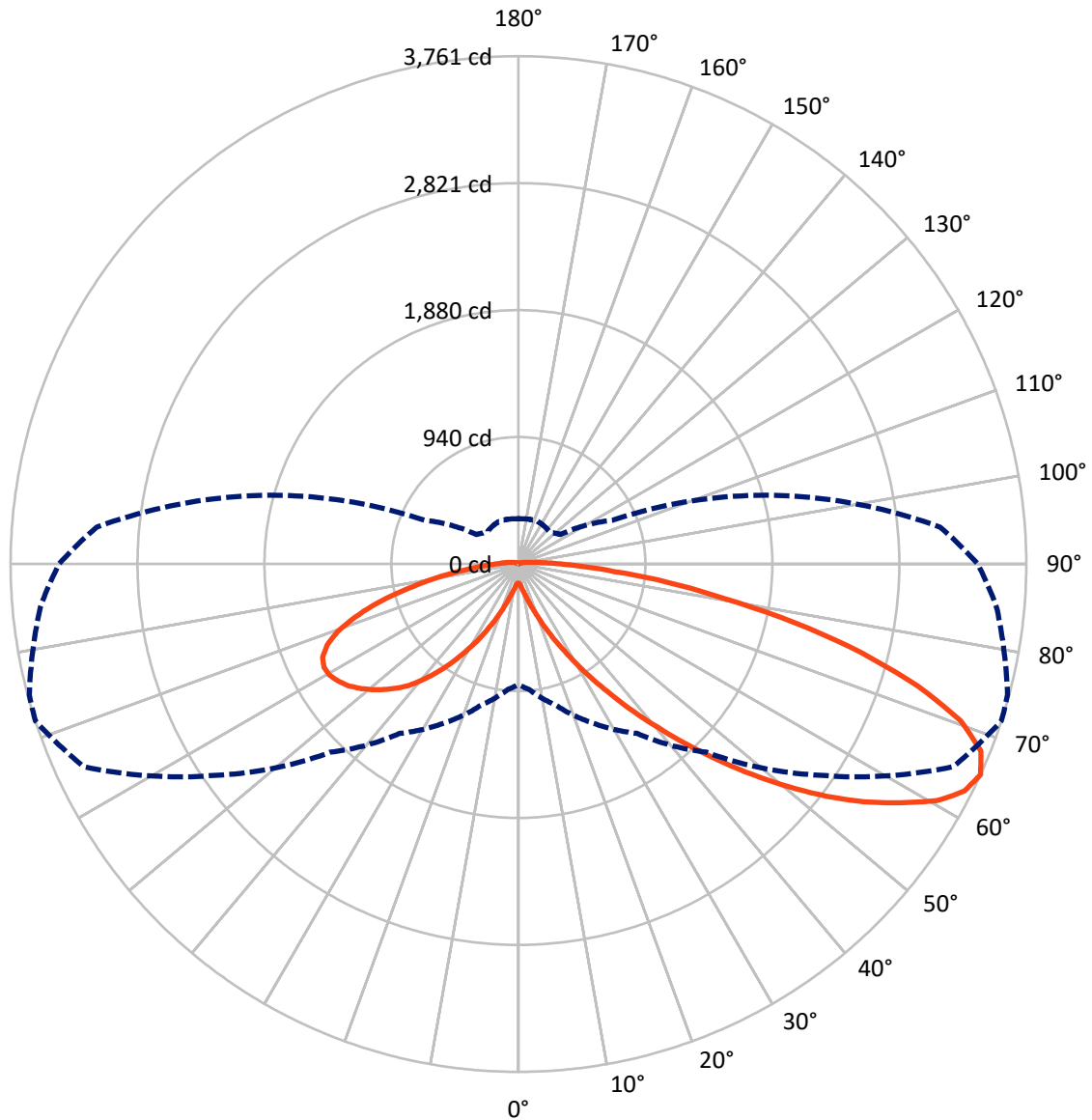


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P417339

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P417339

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1930.7	97.2	2027.9
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	4725.4	94.7	4820.1
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	6656.1	191.9	6848.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.3	0.2
10°-20°	82.8	1.2
20°-30°	262.4	3.8
30°-40°	628.8	9.2
40°-50°	1161.0	17.0
50°-60°	1582.0	23.1
60°-70°	1542.4	22.5
70°-80°	1007.3	14.7
80°-90°	373.2	5.4
90°-100°	103.7	1.5
100°-110°	43.5	0.6
110°-120°	21.9	0.3
120°-130°	12.4	0.2
130°-140°	7.0	0.1
140°-150°	2.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6656.1	97.2
0°-180°	6848.0	100.0



REPORT NUMBER: P417339

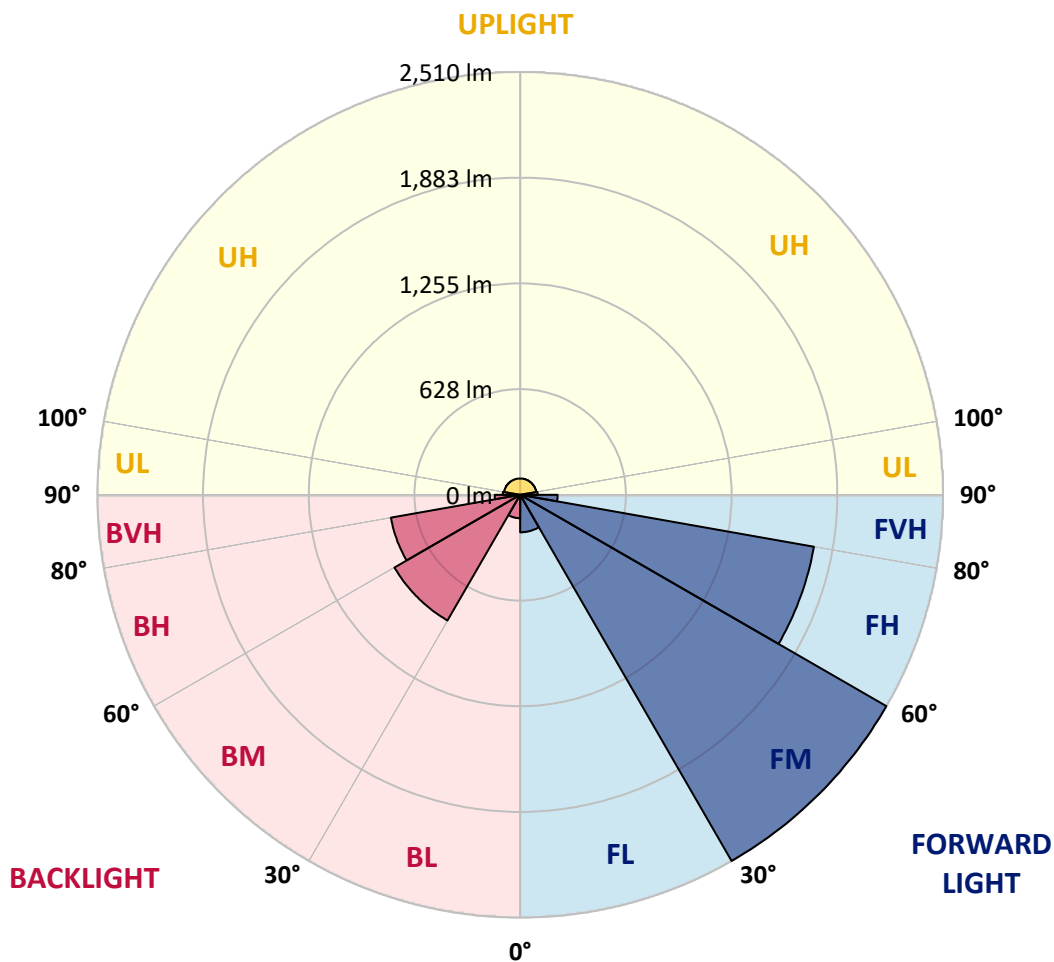
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.5	3.2			
FM (30°-60°)	2510.1	36.7			
FH (60°-80°)	1770.7	25.9			G1/1800
FVH (80°-90°)	222.1	3.2			G2/225
BL (0°-30°)	139.0	2.0	B1/500		
BM (30°-60°)	861.7	12.6	B1/1000		
BH (60°-80°)	779.0	11.4	B2/1000		G2/1000
BVH (80°-90°)	151.0	2.2			G2/225
UL (90°-100°)	103.7	1.5		U3/500	
UH (100°-180°)	97.2	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





REPORT NUMBER: P417339

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7
2.5°	157.7	156.9	155.3	154.6	154.6	153.0	151.4	149.0	147.4	146.6	145.0
5°	178.3	176.7	175.2	173.6	172.0	169.6	165.7	163.3	160.1	159.3	156.1
7.5°	207.7	206.1	201.3	199.7	197.4	194.2	189.4	184.7	181.5	179.1	174.4
10°	246.5	244.9	241.7	237.8	233.0	226.7	218.8	214.0	206.1	207.7	200.5
12.5°	299.6	295.6	291.7	285.3	275.8	268.7	257.6	252.8	244.1	244.1	235.4
15°	363.8	363.0	355.1	341.6	332.9	317.8	308.3	298.0	292.5	292.5	285.3
17.5°	447.0	441.5	435.1	416.9	397.1	378.9	366.2	359.0	352.7	351.1	341.6
20°	550.1	542.1	532.6	500.1	476.3	454.2	435.9	430.4	425.6	424.8	416.9
22.5°	680.8	664.2	646.8	615.1	577.0	538.2	525.5	512.8	513.6	515.2	497.0
25°	825.9	821.1	790.2	745.0	695.1	652.3	617.4	612.7	617.4	614.3	607.1
27.5°	1012.1	996.3	957.5	899.6	820.3	770.4	733.1	730.0	730.8	734.7	722.8
30°	1229.3	1221.4	1172.2	1075.5	973.3	906.7	866.3	860.8	870.3	871.1	852.8
32.5°	1485.3	1469.5	1394.2	1286.4	1146.9	1062.1	1016.1	1014.5	1024.8	1027.2	1012.9
35°	1744.5	1736.6	1662.1	1507.5	1354.5	1226.1	1179.4	1182.5	1189.7	1203.9	1187.3
37.5°	2043.3	2021.9	1926.0	1762.7	1569.3	1415.6	1365.6	1376.7	1387.8	1387.8	1364.8
40°	2325.5	2317.5	2216.9	2011.6	1780.2	1637.5	1582.8	1589.1	1588.4	1589.1	1559.0
42.5°	2587.0	2560.1	2471.3	2253.3	2014.8	1869.7	1803.9	1814.2	1823.8	1830.9	1754.8
45°	2763.8	2740.8	2662.3	2447.5	2236.7	2099.6	2056.8	2056.8	2067.9	2064.7	1989.4
47.5°	2826.4	2823.2	2764.6	2601.3	2407.9	2301.7	2304.1	2312.8	2329.4	2314.4	2206.6
50°	2797.1	2784.4	2774.1	2682.9	2549.8	2499.0	2546.6	2591.0	2592.6	2565.6	2428.5
52.5°	2613.2	2614.8	2667.1	2650.4	2589.4	2640.9	2786.0	2864.4	2857.3	2831.1	2666.3
55°	2333.4	2346.1	2437.2	2507.0	2544.2	2686.9	2963.5	3126.0	3110.1	3073.7	2906.4
57.5°	1960.9	2002.1	2124.1	2276.3	2409.5	2644.1	3060.2	3352.7	3336.0	3336.0	3145.8
60°	1564.6	1597.9	1777.8	1963.3	2173.3	2499.8	3069.7	3519.1	3559.5	3534.2	3315.4
62.5°	1213.5	1227.7	1414.0	1647.8	1872.9	2257.3	2960.3	3598.4	3705.4	3684.0	3467.6
65°	893.3	933.7	1084.3	1298.3	1531.3	1971.2	2726.5	3551.6	3760.9	3749.8	3551.6
67.5°	664.2	682.4	808.4	1006.6	1237.2	1615.3	2385.7	3347.1	3694.3	3703.8	3538.9
70°	497.7	502.5	600.8	764.1	960.6	1274.5	1988.6	3020.6	3473.1	3515.9	3425.6
72.5°	376.5	385.2	466.8	595.2	741.1	981.2	1571.7	2576.7	3095.9	3202.1	3168.0
75°	294.8	305.1	361.4	460.5	573.0	742.7	1189.7	2052.0	2622.7	2759.8	2797.9
77.5°	233.0	244.1	291.7	367.8	447.0	573.0	874.2	1535.3	2094.8	2231.9	2342.9
80°	183.1	191.0	233.0	289.3	351.9	423.2	612.7	1116.0	1538.4	1709.6	1811.1
82.5°	139.5	148.2	180.7	228.3	275.8	323.4	437.5	759.3	1116.0	1193.6	1366.4
85°	101.5	109.4	136.3	175.2	212.4	250.5	320.2	506.5	711.0	803.7	890.9
87.5°	74.5	77.7	101.5	130.0	163.3	189.4	230.6	323.4	451.8	497.7	570.7
90°	52.3	55.5	74.5	95.9	123.6	148.2	169.6	214.0	281.4	322.6	336.1
92.5°	38.8	41.2	55.5	72.1	95.1	114.9	128.4	151.4	183.1	200.5	211.6
95°	29.3	31.7	43.6	57.1	73.7	90.4	100.7	109.4	127.6	132.4	141.9
97.5°	23.8	25.4	35.7	46.8	59.4	74.5	80.1	84.8	91.1	95.9	99.9
100°	20.6	21.4	30.1	39.6	50.7	60.2	65.0	67.4	71.3	72.9	74.5
102.5°	18.2	18.2	26.2	34.1	43.6	50.7	54.7	54.7	55.5	56.3	55.5
105°	15.9	16.6	23.0	30.1	37.3	43.6	46.8	45.2	44.4	43.6	41.2
107.5°	15.1	15.1	20.6	26.9	33.3	38.0	40.4	37.3	35.7	34.1	31.7
110°	13.5	14.3	18.2	23.8	29.3	33.3	34.9	31.7	28.5	26.9	24.6



REPORT NUMBER: P417339

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	12.7	13.5	16.6	21.4	26.2	30.1	30.1	26.9	23.0	21.4	19.8
115°	12.7	12.7	15.1	19.0	23.8	26.9	26.9	23.0	19.0	17.4	16.6
117.5°	12.7	12.7	14.3	17.4	21.4	23.8	23.8	19.8	15.9	14.3	14.3
120°	11.9	11.9	13.5	15.9	19.8	21.4	20.6	17.4	13.5	12.7	12.7
122.5°	11.9	11.9	12.7	15.1	18.2	19.8	19.0	15.1	11.9	10.3	11.1
125°	12.7	11.9	12.7	14.3	16.6	17.4	16.6	12.7	10.3	9.5	10.3
127.5°	12.7	12.7	11.9	13.5	15.1	15.9	15.1	11.1	8.7	8.7	9.5
130°	12.7	12.7	11.9	12.7	13.5	14.3	12.7	9.5	7.9	7.9	8.7
132.5°	12.7	12.7	11.9	11.9	12.7	12.7	11.1	7.9	7.1	7.1	7.9
135°	12.7	12.7	11.1	11.1	11.1	11.1	9.5	7.1	6.3	6.3	7.1
137.5°	11.9	11.9	11.1	10.3	10.3	9.5	7.9	5.5	4.8	5.5	6.3
140°	11.1	11.1	10.3	8.7	8.7	7.9	6.3	4.8	4.0	4.8	4.8
142.5°	10.3	10.3	9.5	7.9	7.1	6.3	5.5	3.2	3.2	3.2	4.0
145°	9.5	9.5	8.7	6.3	5.5	4.8	4.0	2.4	2.4	2.4	3.2
147.5°	7.9	7.9	7.1	5.5	4.0	4.0	2.4	1.6	2.4	2.4	2.4
150°	6.3	6.3	5.5	4.0	3.2	2.4	0.8	1.6	1.6	1.6	2.4
152.5°	5.5	5.5	4.0	3.2	1.6	0.8	0.8	0.8	1.6	1.6	1.6
155°	4.0	4.0	3.2	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	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





REPORT NUMBER: P417339

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7
2.5°	143.5	143.5	142.7	141.9	141.1	140.3	138.7	137.9	137.9	137.1	137.1
5°	154.6	153.8	151.4	149.0	145.8	144.3	141.9	140.3	139.5	138.7	138.7
7.5°	172.0	170.4	165.7	161.7	157.7	154.6	150.6	148.2	147.4	145.0	145.8
10°	196.6	194.2	188.6	181.5	174.4	169.6	164.1	160.9	159.3	157.7	156.1
12.5°	232.2	227.5	218.0	208.5	198.1	188.6	183.1	180.7	182.3	181.5	182.3
15°	281.4	272.7	258.4	244.1	225.9	214.0	212.4	211.6	211.6	212.4	214.0
17.5°	336.9	327.3	309.1	283.0	261.6	249.7	242.5	241.7	245.7	246.5	245.7
20°	409.8	400.3	371.7	336.1	305.1	286.1	276.6	276.6	282.2	283.7	286.9
22.5°	488.2	482.7	443.9	394.7	353.5	322.6	309.1	310.7	318.6	321.0	322.6
25°	597.6	575.4	527.9	460.5	401.1	359.8	341.6	342.4	351.1	357.5	359.8
27.5°	718.1	692.7	623.0	535.0	448.6	390.7	370.1	370.9	381.2	389.2	390.7
30°	847.3	821.9	730.8	608.7	493.0	418.5	390.7	391.5	403.4	412.1	413.7
32.5°	985.2	964.6	837.0	688.0	531.8	437.5	404.2	405.0	415.3	423.2	424.8
35°	1159.6	1112.8	963.0	758.5	564.3	449.4	410.6	409.8	420.1	428.0	429.6
37.5°	1331.6	1281.6	1082.7	824.3	583.3	452.6	409.0	409.0	416.9	423.2	424.0
40°	1518.6	1435.4	1208.7	875.8	590.5	447.8	404.2	403.4	409.8	412.9	413.7
42.5°	1719.9	1617.7	1332.3	917.0	587.3	437.5	395.5	396.3	398.7	398.7	397.9
45°	1901.4	1797.6	1438.6	944.0	576.2	424.0	385.2	386.0	386.8	380.4	380.4
47.5°	2114.6	1988.6	1538.4	950.3	554.0	410.6	377.3	378.9	374.9	366.2	364.6
50°	2316.7	2176.5	1639.1	947.9	531.0	396.3	369.3	370.9	363.8	351.9	349.5
52.5°	2541.8	2361.9	1734.2	936.1	503.3	383.6	363.8	365.4	357.5	343.2	340.8
55°	2763.8	2558.5	1821.4	915.4	479.5	370.1	358.3	362.2	351.9	337.6	336.9
57.5°	2975.4	2753.5	1893.5	885.3	454.2	360.6	354.3	359.0	349.5	335.3	334.5
60°	3164.0	2919.1	1951.4	856.0	426.4	351.1	350.3	356.7	347.9	336.1	335.3
62.5°	3296.4	3068.1	1977.5	816.4	404.2	340.8	345.6	351.9	345.6	336.1	336.1
65°	3401.8	3134.7	1967.2	764.1	380.4	329.7	339.2	345.6	341.6	335.3	336.1
67.5°	3382.0	3133.1	1899.8	701.4	358.3	317.8	328.1	336.9	333.7	331.3	330.5
70°	3259.9	2984.9	1770.7	633.3	335.3	302.8	314.7	323.4	322.6	321.8	321.8
72.5°	3008.7	2728.1	1577.3	554.8	311.5	286.9	297.2	305.1	306.7	305.9	303.6
75°	2680.5	2374.6	1353.0	481.1	286.9	267.9	279.0	283.7	286.1	284.5	284.5
77.5°	2199.4	1979.9	1075.5	406.6	260.8	246.5	254.4	258.4	261.6	257.6	255.2
80°	1747.7	1505.9	827.5	332.1	232.2	222.7	226.7	228.3	231.4	227.5	222.7
82.5°	1226.9	1073.2	600.0	271.1	203.7	195.8	198.1	197.4	198.9	193.4	187.1
85°	819.5	721.3	412.9	218.0	174.4	167.2	167.2	164.9	163.3	157.7	153.0
87.5°	514.4	456.5	283.7	172.0	146.6	141.1	137.9	133.2	131.6	127.6	122.1
90°	317.0	291.7	198.1	137.9	122.1	117.3	114.1	107.0	106.2	99.9	95.9
92.5°	207.7	190.2	146.6	111.8	102.2	97.5	93.5	87.2	86.4	81.6	79.3
95°	137.1	133.2	111.8	93.5	86.4	82.4	78.5	72.9	71.3	66.6	63.4
97.5°	100.7	100.7	91.9	79.3	73.7	69.7	67.4	62.6	59.4	54.7	53.1
100°	76.1	76.9	73.7	68.2	63.4	59.4	57.1	53.1	50.7	46.0	45.2
102.5°	58.7	60.2	61.0	57.9	54.7	51.5	49.1	46.0	42.8	38.0	37.3
105°	45.2	46.8	49.9	49.1	47.6	45.2	42.8	39.6	35.7	31.7	31.7
107.5°	34.9	36.5	41.2	42.0	41.2	38.8	37.3	34.1	30.9	26.9	26.9
110°	26.9	29.3	34.1	35.7	35.7	34.1	32.5	29.3	25.4	23.0	23.0



REPORT NUMBER: P417339

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.2	24.6	28.5	30.9	30.9	30.1	27.7	24.6	21.4	19.8	19.8
115°	18.2	20.6	24.6	26.9	26.9	26.2	24.6	21.4	18.2	17.4	17.4
117.5°	15.9	17.4	20.6	23.0	23.8	23.0	21.4	18.2	15.9	15.9	15.9
120°	14.3	15.9	18.2	19.8	20.6	19.8	18.2	15.9	13.5	14.3	14.3
122.5°	12.7	13.5	15.9	18.2	18.2	18.2	16.6	13.5	11.9	12.7	12.7
125°	11.1	12.7	14.3	15.9	16.6	15.9	14.3	11.9	10.3	11.1	11.9
127.5°	10.3	11.1	12.7	14.3	14.3	14.3	12.7	10.3	9.5	10.3	10.3
130°	9.5	10.3	11.1	12.7	12.7	12.7	11.1	8.7	8.7	9.5	9.5
132.5°	8.7	9.5	10.3	11.1	11.1	11.1	9.5	7.9	7.1	8.7	8.7
135°	7.9	7.9	8.7	9.5	9.5	9.5	7.9	6.3	6.3	7.9	7.9
137.5°	6.3	7.1	7.9	7.9	7.9	7.9	6.3	5.5	5.5	6.3	6.3
140°	5.5	5.5	6.3	6.3	6.3	6.3	5.5	4.0	4.8	5.5	5.5
142.5°	4.8	4.8	5.5	5.5	5.5	4.8	4.0	3.2	4.0	4.8	4.8
145°	3.2	4.0	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.0	4.0
147.5°	3.2	3.2	3.2	3.2	3.2	2.4	1.6	1.6	2.4	3.2	3.2
150°	2.4	2.4	3.2	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4
152.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
155°	1.6	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.8	0.8	0.8	0.8	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)