

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: P417122

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417122  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-730-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8290 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

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

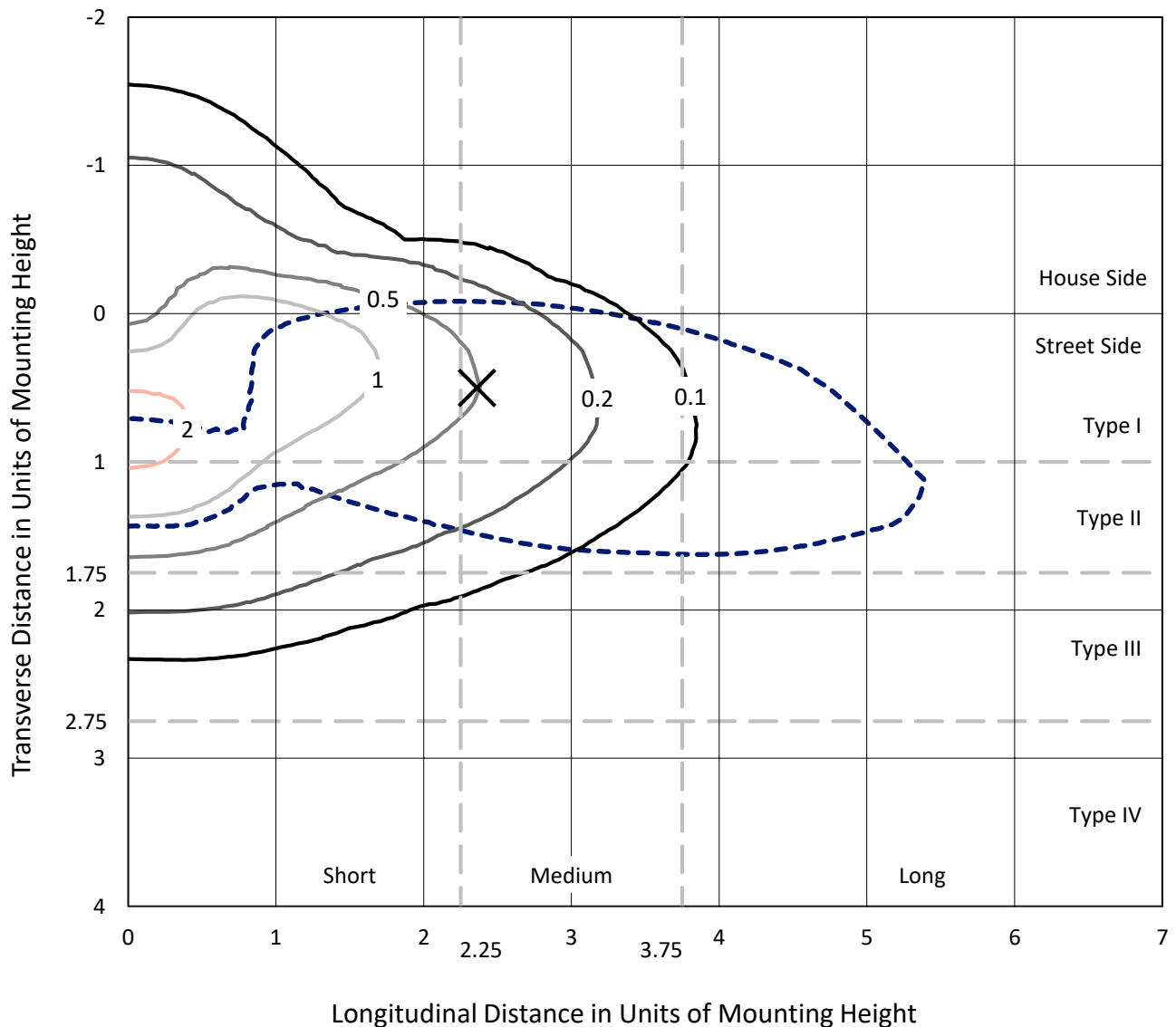


REPORT NUMBER: P417122

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

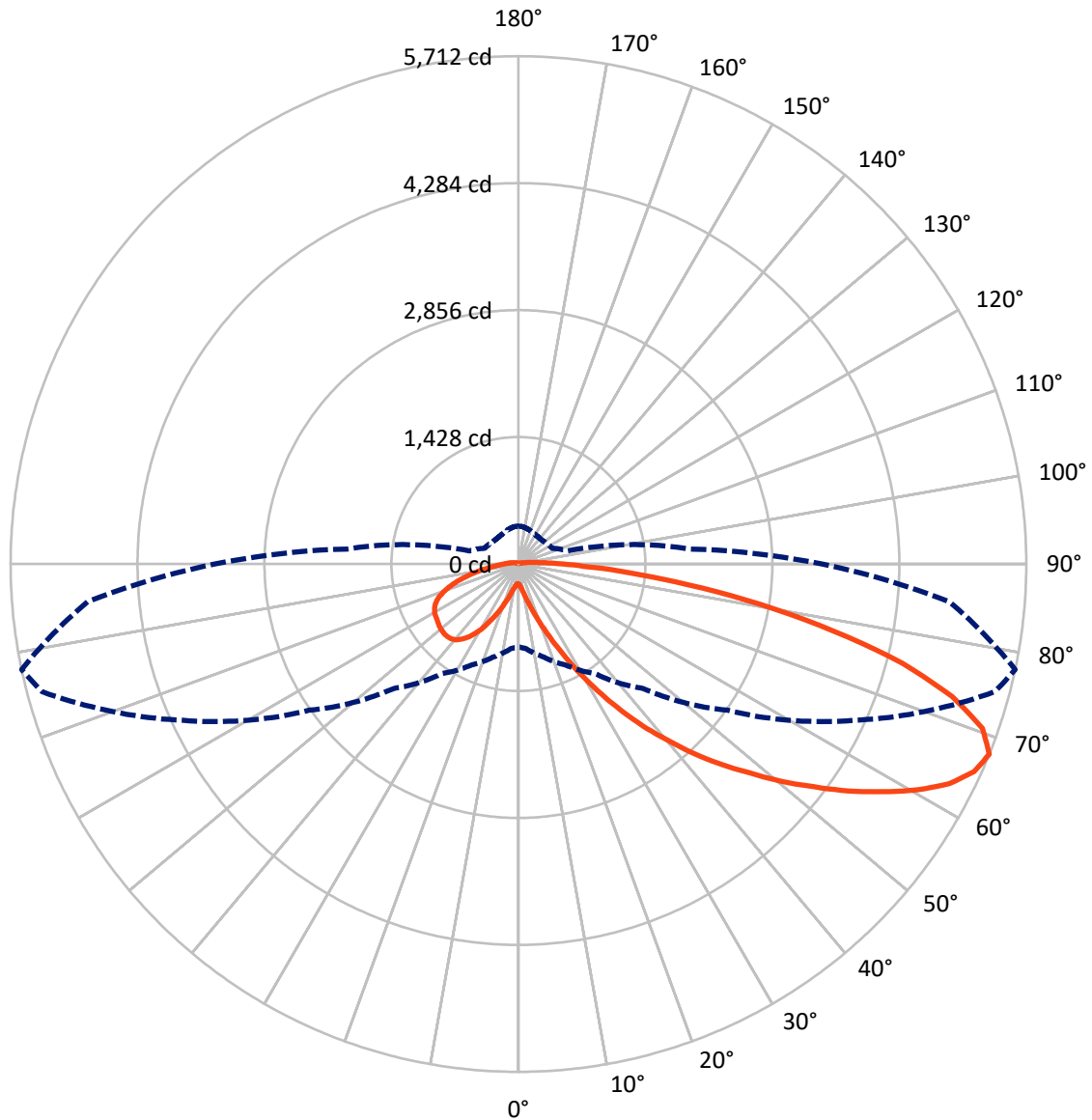


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P417122

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P417122

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1575.2	127.9	1703.1
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	6457.3	129.6	6586.9
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	8032.5	257.5	8290.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.7	0.3
10°-20°	128.7	1.6
20°-30°	392.4	4.7
30°-40°	877.9	10.6
40°-50°	1446.6	17.5
50°-60°	1780.5	21.5
60°-70°	1726.9	20.8
70°-80°	1195.9	14.4
80°-90°	457.8	5.5
90°-100°	131.4	1.6
100°-110°	56.9	0.7
110°-120°	30.7	0.4
120°-130°	19.0	0.2
130°-140°	11.8	0.1
140°-150°	5.7	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8032.5	96.9
0°-180°	8290.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P417122

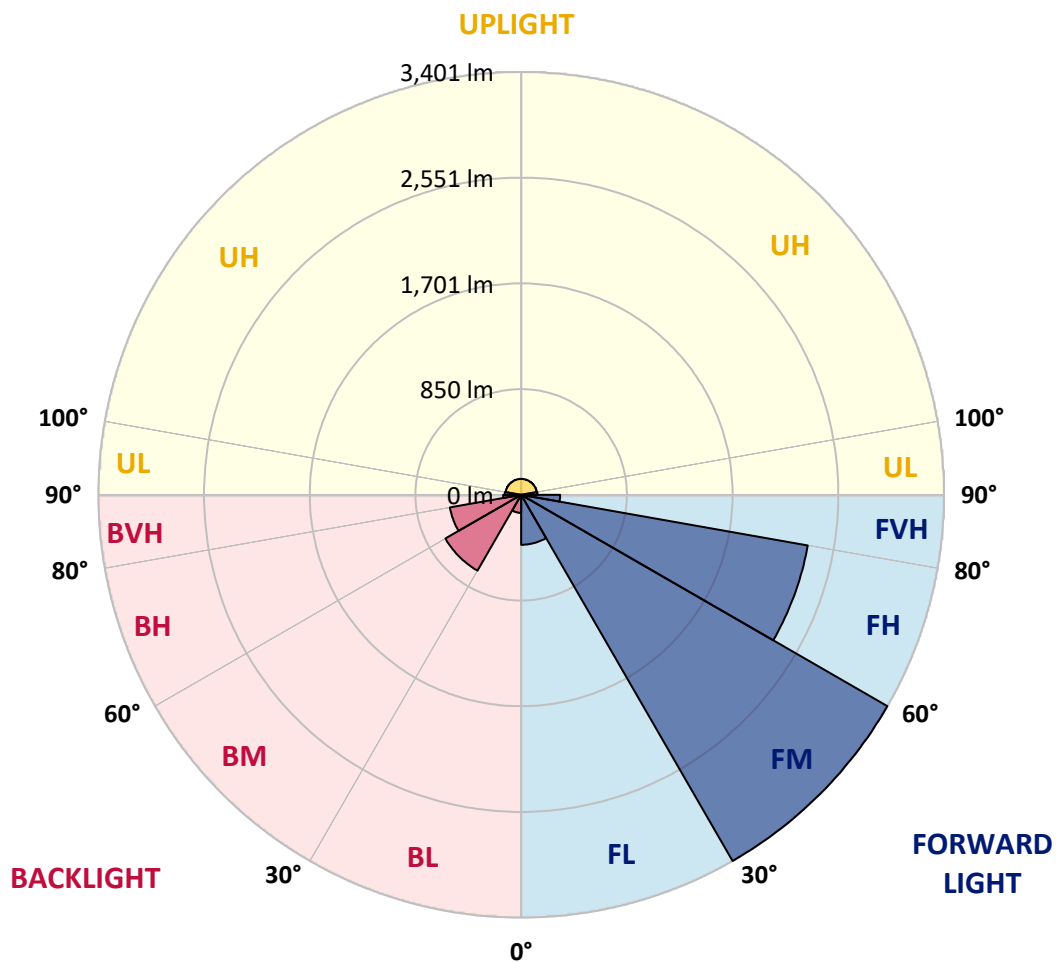
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.8	4.8			
FM (30°-60°)	3401.4	41.0			
FH (60°-80°)	2340.7	28.2			G2/5000
FVH (80°-90°)	313.3	3.8			G3/500
BL (0°-30°)	145.1	1.7	B1/500		
BM (30°-60°)	703.6	8.5	B1/1000		
BH (60°-80°)	582.0	7.0	B2/1000		G2/1000
BVH (80°-90°)	144.5	1.7			G2/225
UL (90°-100°)	131.4	1.6		U3/500	
UH (100°-180°)	127.9	1.5		U3/500	

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

Type II Medium





REPORT NUMBER: P417122

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8
2.5°	269.0	267.1	267.1	266.1	262.1	258.2	252.3	245.5	239.6	235.6	231.7
5°	327.0	320.1	322.0	316.2	309.3	301.4	290.6	275.9	262.1	259.2	248.4
7.5°	396.7	387.8	390.8	383.9	371.1	354.4	339.7	318.1	297.5	290.6	274.9
10°	485.0	476.2	471.3	461.5	446.7	425.1	402.6	374.1	345.6	335.8	316.2
12.5°	590.1	583.2	576.3	562.6	539.0	511.5	483.1	451.6	414.3	401.6	371.1
15°	720.7	714.8	700.0	681.4	647.0	616.6	573.4	544.9	498.8	483.1	445.8
17.5°	867.0	855.2	840.4	813.0	773.7	735.4	699.1	651.0	600.9	588.1	542.0
20°	1047.6	1043.7	1015.2	969.1	925.9	873.8	838.5	791.4	735.4	717.7	656.8
22.5°	1261.7	1253.8	1220.4	1150.7	1085.9	1019.1	990.7	941.6	901.3	876.8	797.2
25°	1518.9	1504.2	1449.2	1365.7	1273.4	1193.9	1146.8	1129.1	1097.7	1060.4	963.2
27.5°	1792.8	1793.8	1718.2	1594.5	1465.9	1370.6	1334.3	1341.2	1302.9	1282.3	1163.5
30°	2131.6	2107.0	2007.9	1855.7	1681.9	1559.2	1537.6	1571.9	1561.1	1520.9	1380.5
32.5°	2470.3	2461.5	2338.7	2130.6	1902.8	1768.3	1752.6	1827.2	1824.2	1784.0	1605.3
35°	2808.0	2798.2	2646.0	2403.5	2133.5	1979.4	1965.6	2063.8	2099.2	2058.9	1858.6
37.5°	3147.8	3125.2	2972.0	2677.5	2352.5	2172.8	2178.7	2302.4	2384.9	2348.5	2103.1
40°	3447.2	3443.3	3264.6	2929.8	2563.6	2369.2	2408.4	2571.4	2672.6	2622.5	2351.5
42.5°	3677.0	3660.3	3502.2	3138.9	2753.1	2552.8	2620.5	2836.5	2966.1	2931.8	2596.0
45°	3783.0	3773.2	3646.5	3297.0	2900.3	2711.8	2818.8	3082.0	3258.7	3221.4	2847.3
47.5°	3754.5	3745.7	3677.0	3374.6	2997.5	2848.3	2993.6	3320.6	3566.0	3515.9	3097.7
50°	3583.7	3592.5	3570.9	3352.0	3031.9	2935.7	3159.5	3559.1	3866.5	3842.9	3339.2
52.5°	3271.5	3297.0	3331.4	3234.2	3000.5	2975.0	3279.3	3766.3	4164.9	4164.0	3607.3
55°	2866.0	2883.6	3003.4	2985.8	2880.7	2974.0	3367.7	3970.5	4500.7	4505.6	3884.1
57.5°	2435.9	2427.1	2586.2	2678.4	2705.9	2898.4	3410.9	4151.2	4797.2	4831.6	4176.7
60°	1965.6	1998.0	2147.3	2335.8	2438.9	2749.1	3396.2	4278.8	5083.0	5158.6	4442.8
62.5°	1597.4	1582.7	1746.7	1951.9	2161.0	2535.1	3289.1	4338.7	5354.9	5439.4	4688.3
65°	1206.7	1237.1	1385.4	1567.0	1815.4	2265.1	3116.3	4307.3	5522.8	5630.8	4842.4
67.5°	930.8	954.3	1081.0	1251.8	1505.2	1978.4	2867.0	4161.0	5548.3	5712.3	4864.0
70°	719.7	738.3	827.7	973.0	1214.5	1662.2	2516.4	3882.2	5408.9	5536.6	4665.7
72.5°	573.4	581.2	644.1	761.9	959.3	1355.9	2135.5	3444.3	4987.7	5101.6	4259.2
75°	450.7	462.4	513.5	601.9	749.1	1083.9	1745.7	2910.2	4346.6	4464.4	3698.6
77.5°	358.4	370.2	408.4	470.3	581.2	835.5	1363.8	2371.1	3548.3	3621.0	2946.5
80°	284.7	290.6	323.0	369.2	451.6	644.1	1027.0	1799.7	2687.3	2762.9	2189.5
82.5°	216.0	220.9	253.3	293.6	352.5	488.0	742.3	1265.6	1893.0	1913.6	1486.5
85°	155.1	164.0	190.5	223.9	270.0	363.3	532.2	859.1	1207.7	1239.1	941.6
87.5°	110.0	113.9	140.4	171.8	206.2	269.0	370.2	565.5	743.2	734.4	571.4
90°	74.6	77.6	101.1	126.7	157.1	201.3	258.2	355.4	456.6	441.8	358.4
92.5°	50.1	55.0	74.6	96.2	122.7	155.1	183.6	232.7	282.8	269.0	227.8
95°	37.3	39.3	56.9	76.6	98.2	118.8	136.5	159.1	180.7	176.7	157.1
97.5°	29.5	31.4	46.1	62.8	79.5	96.2	106.0	113.9	125.7	124.7	112.9
100°	25.5	26.5	39.3	54.0	68.7	80.5	86.4	88.4	92.3	90.3	86.4
102.5°	21.6	23.6	34.4	47.1	59.9	68.7	72.7	70.7	69.7	67.7	63.8
105°	19.6	20.6	30.4	42.2	53.0	59.9	60.9	57.9	53.0	52.0	50.1
107.5°	18.7	19.6	27.5	38.3	47.1	53.0	52.0	48.1	42.2	40.3	39.3
110°	17.7	18.7	25.5	34.4	43.2	47.1	46.1	40.3	33.4	31.4	32.4



REPORT NUMBER: P417122

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	17.7	17.7	23.6	31.4	39.3	42.2	40.3	34.4	27.5	26.5	27.5
115°	16.7	17.7	22.6	29.5	35.3	38.3	35.3	29.5	23.6	22.6	23.6
117.5°	16.7	17.7	21.6	27.5	33.4	34.4	31.4	25.5	19.6	19.6	21.6
120°	16.7	17.7	20.6	25.5	30.4	31.4	28.5	22.6	17.7	17.7	19.6
122.5°	17.7	17.7	19.6	24.5	28.5	29.5	25.5	19.6	16.7	16.7	18.7
125°	17.7	17.7	19.6	22.6	26.5	26.5	23.6	17.7	14.7	14.7	17.7
127.5°	17.7	17.7	19.6	21.6	24.5	24.5	21.6	16.7	13.7	13.7	16.7
130°	17.7	18.7	18.7	20.6	22.6	22.6	19.6	14.7	13.7	13.7	15.7
132.5°	18.7	18.7	18.7	19.6	21.6	20.6	16.7	13.7	12.8	12.8	14.7
135°	17.7	17.7	17.7	18.7	19.6	18.7	14.7	11.8	11.8	12.8	13.7
137.5°	17.7	17.7	17.7	16.7	17.7	16.7	13.7	10.8	10.8	11.8	12.8
140°	15.7	16.7	15.7	15.7	15.7	14.7	11.8	8.8	9.8	10.8	10.8
142.5°	14.7	14.7	14.7	13.7	13.7	12.8	9.8	7.9	8.8	8.8	9.8
145°	13.7	13.7	12.8	11.8	11.8	9.8	7.9	6.9	7.9	7.9	8.8
147.5°	11.8	11.8	11.8	9.8	8.8	7.9	4.9	4.9	5.9	6.9	6.9
150°	9.8	9.8	9.8	8.8	6.9	5.9	3.9	4.9	4.9	4.9	5.9
152.5°	7.9	7.9	7.9	6.9	5.9	3.9	2.9	3.9	3.9	3.9	4.9
155°	4.9	4.9	4.9	4.9	3.9	2.0	2.9	2.9	3.9	3.9	3.9
157.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	2.9
160°	1.0	1.0	2.0	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.0
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: P417122

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8
2.5°	228.8	225.8	220.9	216.0	211.1	206.2	202.3	201.3	198.3	198.3	197.3
5°	242.5	237.6	224.8	215.0	204.2	195.4	188.5	185.6	182.6	180.7	180.7
7.5°	267.1	256.3	237.6	220.9	206.2	193.4	184.6	179.7	175.7	173.8	173.8
10°	300.4	286.7	258.2	233.7	212.1	196.4	186.5	180.7	177.7	175.7	174.8
12.5°	349.5	329.9	288.7	253.3	225.8	206.2	193.4	189.5	190.5	190.5	190.5
15°	416.3	387.8	331.9	283.8	244.5	218.9	210.1	210.1	213.1	214.0	212.1
17.5°	502.7	464.4	385.9	314.2	268.0	241.5	231.7	231.7	236.6	239.6	239.6
20°	608.7	553.8	442.8	354.4	295.5	267.1	255.3	256.3	262.1	266.1	266.1
22.5°	730.5	665.7	515.5	395.7	326.0	289.6	276.9	277.9	287.7	292.6	294.6
25°	888.6	788.4	588.1	437.9	354.4	311.2	298.5	299.5	312.2	319.1	319.1
27.5°	1055.5	924.9	661.8	479.1	379.0	330.9	318.1	321.1	334.8	340.7	342.7
30°	1233.2	1070.2	735.4	514.5	398.6	345.6	332.8	338.7	351.5	360.3	361.3
32.5°	1430.5	1212.6	794.3	543.0	415.3	358.4	345.6	354.4	365.2	375.1	376.0
35°	1636.7	1353.9	846.3	562.6	426.1	369.2	355.4	364.3	375.1	383.9	382.9
37.5°	1821.3	1469.8	880.7	570.4	432.0	375.1	362.3	371.1	381.0	387.8	387.8
40°	2002.9	1590.6	897.4	564.6	432.0	378.0	365.2	375.1	383.9	387.8	387.8
42.5°	2175.7	1679.9	894.5	552.8	430.0	379.0	367.2	376.0	383.9	385.9	385.9
45°	2325.0	1762.4	876.8	533.1	423.2	378.0	368.2	376.0	381.9	381.9	382.9
47.5°	2501.7	1827.2	851.3	512.5	415.3	376.0	366.2	375.1	380.0	380.0	379.0
50°	2660.8	1890.0	816.9	489.9	408.4	374.1	365.2	374.1	380.0	378.0	378.0
52.5°	2829.6	1946.0	781.5	469.3	401.6	373.1	365.2	374.1	380.0	379.0	380.0
55°	2985.8	2002.0	737.4	450.7	397.6	372.1	366.2	375.1	382.9	382.9	381.9
57.5°	3186.1	2031.4	703.0	437.9	393.7	372.1	367.2	377.0	386.8	387.8	388.8
60°	3327.4	2069.7	674.5	430.0	393.7	374.1	370.2	380.0	392.7	397.6	400.6
62.5°	3430.5	2067.7	640.2	426.1	394.7	376.0	373.1	382.9	399.6	406.5	410.4
65°	3484.5	2032.4	604.8	423.2	395.7	378.0	375.1	384.9	404.5	417.3	421.2
67.5°	3413.8	1937.2	568.5	418.3	394.7	377.0	376.0	386.8	407.5	424.2	426.1
70°	3242.0	1776.1	525.3	407.5	390.8	374.1	373.1	381.9	404.5	424.2	426.1
72.5°	2916.0	1571.9	475.2	391.8	381.9	367.2	364.3	373.1	394.7	414.3	414.3
75°	2480.1	1335.3	426.1	369.2	364.3	355.4	352.5	357.4	376.0	394.7	395.7
77.5°	1942.1	1063.3	374.1	337.8	342.7	335.8	332.8	335.8	352.5	365.2	366.2
80°	1477.7	810.0	324.0	300.4	312.2	310.3	307.3	306.3	318.1	327.9	325.0
82.5°	1019.1	576.3	268.0	261.2	273.9	276.9	275.9	269.0	277.9	285.7	280.8
85°	657.8	407.5	223.9	220.9	232.7	237.6	236.6	231.7	233.7	242.5	232.7
87.5°	425.1	292.6	184.6	182.6	192.4	198.3	198.3	188.5	192.4	201.3	190.5
90°	266.1	207.2	154.1	153.2	160.0	163.0	159.1	153.2	155.1	160.0	156.1
92.5°	188.5	156.1	128.6	128.6	130.6	132.5	130.6	123.7	127.6	127.6	127.6
95°	137.5	123.7	111.9	110.0	109.0	108.0	107.0	102.1	106.0	105.1	102.1
97.5°	105.1	99.2	95.2	94.3	92.3	91.3	90.3	86.4	89.3	87.4	85.4
100°	82.5	81.5	81.5	81.5	79.5	76.6	76.6	75.6	75.6	72.7	72.7
102.5°	65.8	65.8	69.7	70.7	68.7	66.8	66.8	65.8	64.8	60.9	59.9
105°	52.0	54.0	59.9	60.9	59.9	57.9	56.9	56.9	55.0	50.1	50.1
107.5°	42.2	44.2	51.1	53.0	52.0	51.1	50.1	49.1	47.1	42.2	42.2
110°	34.4	37.3	43.2	46.1	45.2	44.2	44.2	42.2	40.3	36.3	36.3



REPORT NUMBER: P417122

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.5	32.4	37.3	40.3	40.3	39.3	38.3	37.3	34.4	31.4	31.4
115°	25.5	28.5	33.4	35.3	35.3	34.4	33.4	32.4	29.5	27.5	28.5
117.5°	23.6	25.5	29.5	31.4	31.4	30.4	29.5	28.5	26.5	25.5	25.5
120°	21.6	23.6	26.5	28.5	28.5	27.5	26.5	25.5	23.6	23.6	23.6
122.5°	19.6	21.6	24.5	25.5	25.5	24.5	23.6	22.6	20.6	21.6	21.6
125°	18.7	19.6	21.6	23.6	23.6	22.6	21.6	19.6	18.7	19.6	19.6
127.5°	17.7	18.7	20.6	21.6	21.6	20.6	18.7	17.7	16.7	17.7	17.7
130°	16.7	17.7	18.7	19.6	19.6	17.7	16.7	15.7	15.7	16.7	16.7
132.5°	15.7	16.7	16.7	17.7	17.7	16.7	14.7	13.7	13.7	14.7	14.7
135°	14.7	14.7	15.7	15.7	15.7	14.7	12.8	11.8	12.8	13.7	13.7
137.5°	12.8	13.7	13.7	14.7	13.7	12.8	10.8	10.8	11.8	11.8	11.8
140°	11.8	11.8	12.8	12.8	11.8	10.8	9.8	8.8	9.8	10.8	10.8
142.5°	10.8	10.8	10.8	10.8	10.8	8.8	7.9	7.9	8.8	8.8	8.8
145°	8.8	8.8	9.8	8.8	8.8	6.9	5.9	6.9	7.9	7.9	7.9
147.5°	6.9	7.9	7.9	7.9	6.9	4.9	3.9	5.9	6.9	6.9	6.9
150°	5.9	5.9	5.9	5.9	5.9	3.9	2.9	4.9	5.9	5.9	5.9
152.5°	4.9	4.9	5.9	5.9	4.9	2.9	2.0	3.9	4.9	4.9	3.9
155°	3.9	3.9	4.9	4.9	3.9	2.0	2.0	2.9	3.9	3.9	2.9
157.5°	2.9	3.9	3.9	3.9	2.9	2.0	1.0	2.0	2.9	2.9	2.9
160°	2.9	2.9	2.9	3.9	2.9	2.0	1.0	2.0	2.9	2.0	2.0
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)