

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: P413765

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7694 lumens  
Efficiency: N/A  
Efficacy: 80.1 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: B2 - U3 - G4

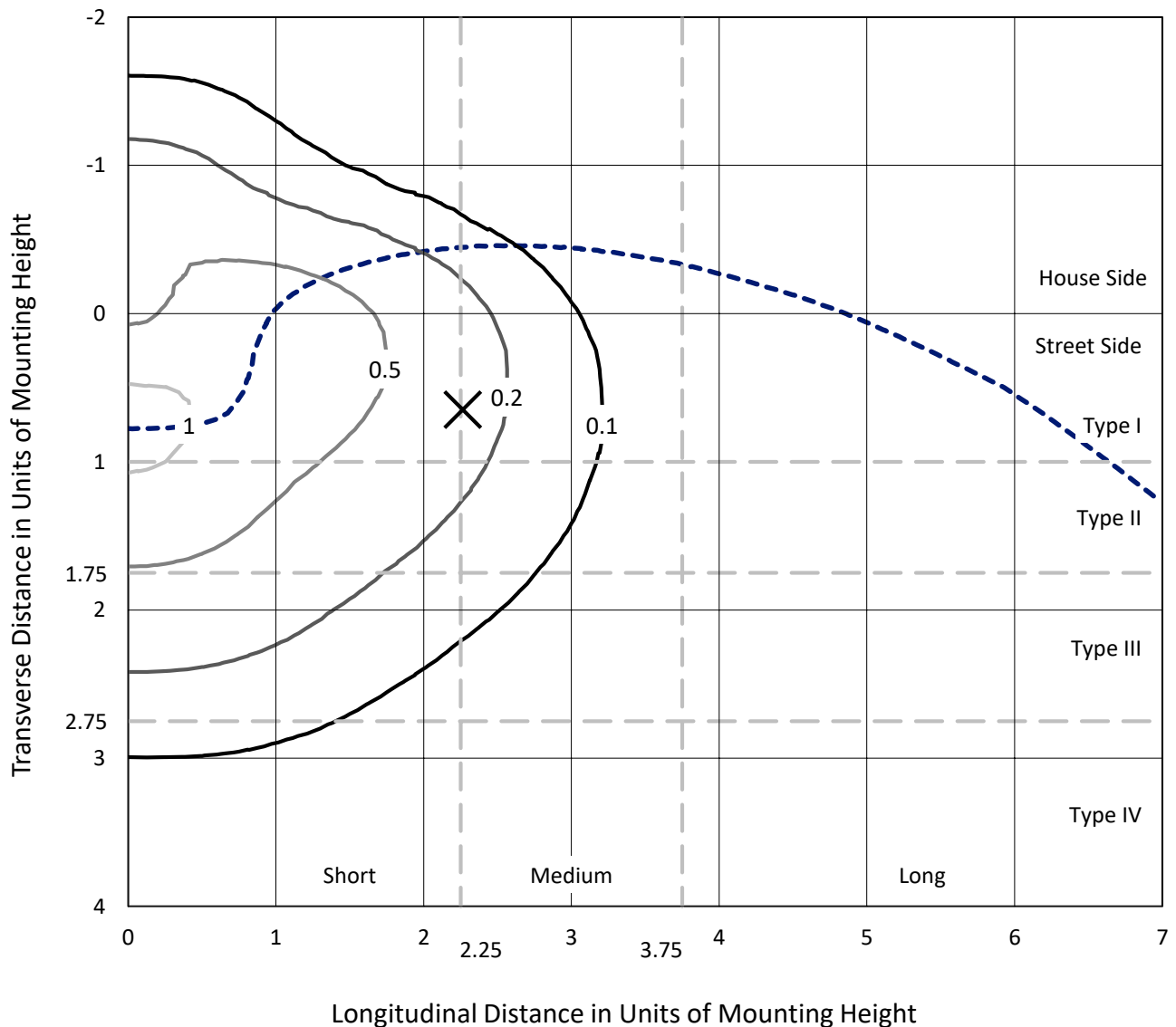
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

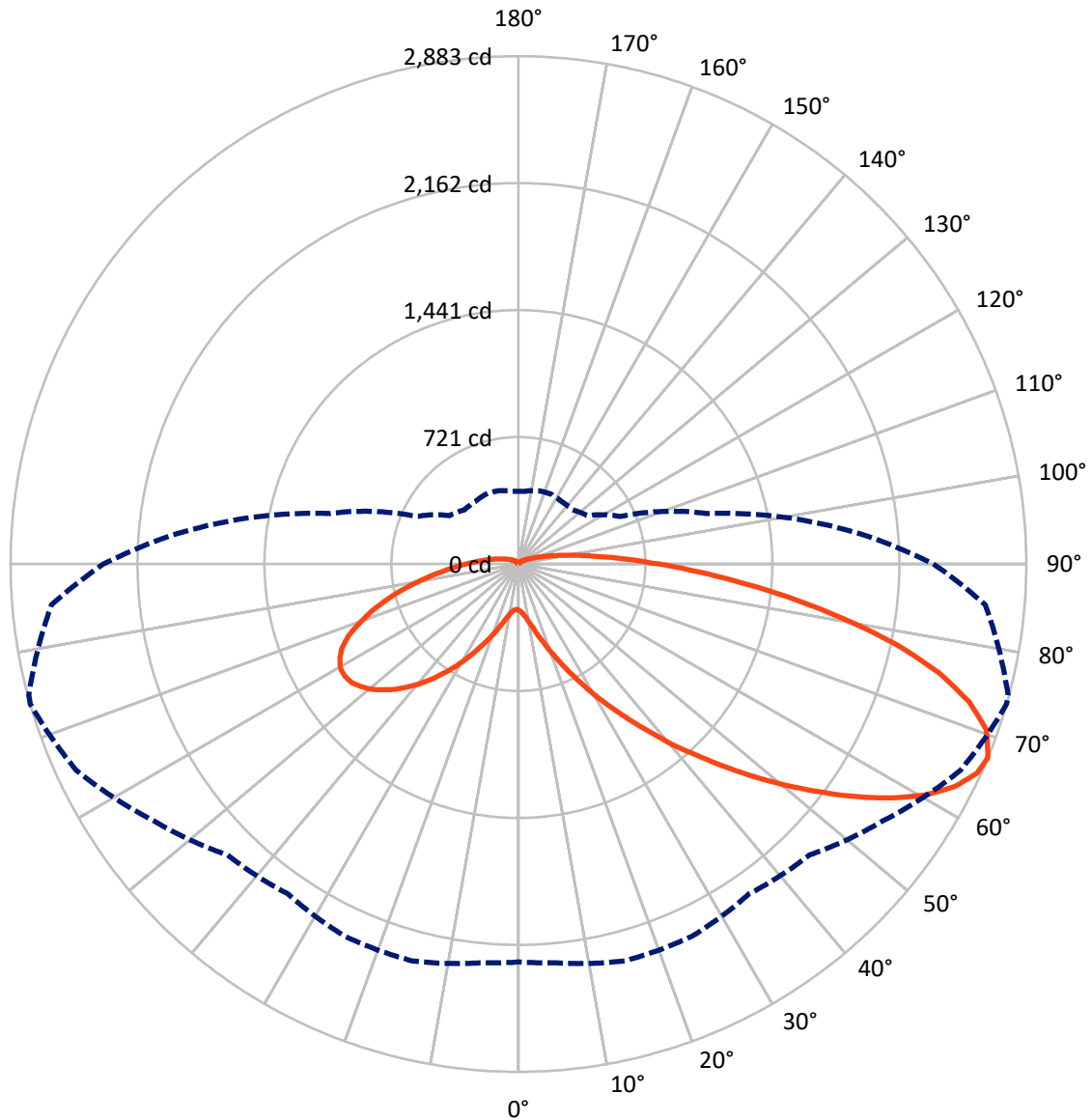
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-FL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1794.2	215.7	2009.8
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	5192.2	491.9	5684.2
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	6986.4	707.6	7694.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.4	0.4
10°-20°	112.1	1.5
20°-30°	278.4	3.6
30°-40°	543.7	7.1
40°-50°	899.2	11.7
50°-60°	1303.3	16.9
60°-70°	1577.5	20.5
70°-80°	1402.3	18.2
80°-90°	842.4	10.9
90°-100°	386.8	5.0
100°-110°	172.2	2.2
110°-120°	82.2	1.1
120°-130°	40.7	0.5
130°-140°	18.6	0.2
140°-150°	6.1	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6986.4	90.8
0°-180°	7694.0	100.0



REPORT NUMBER: P413765

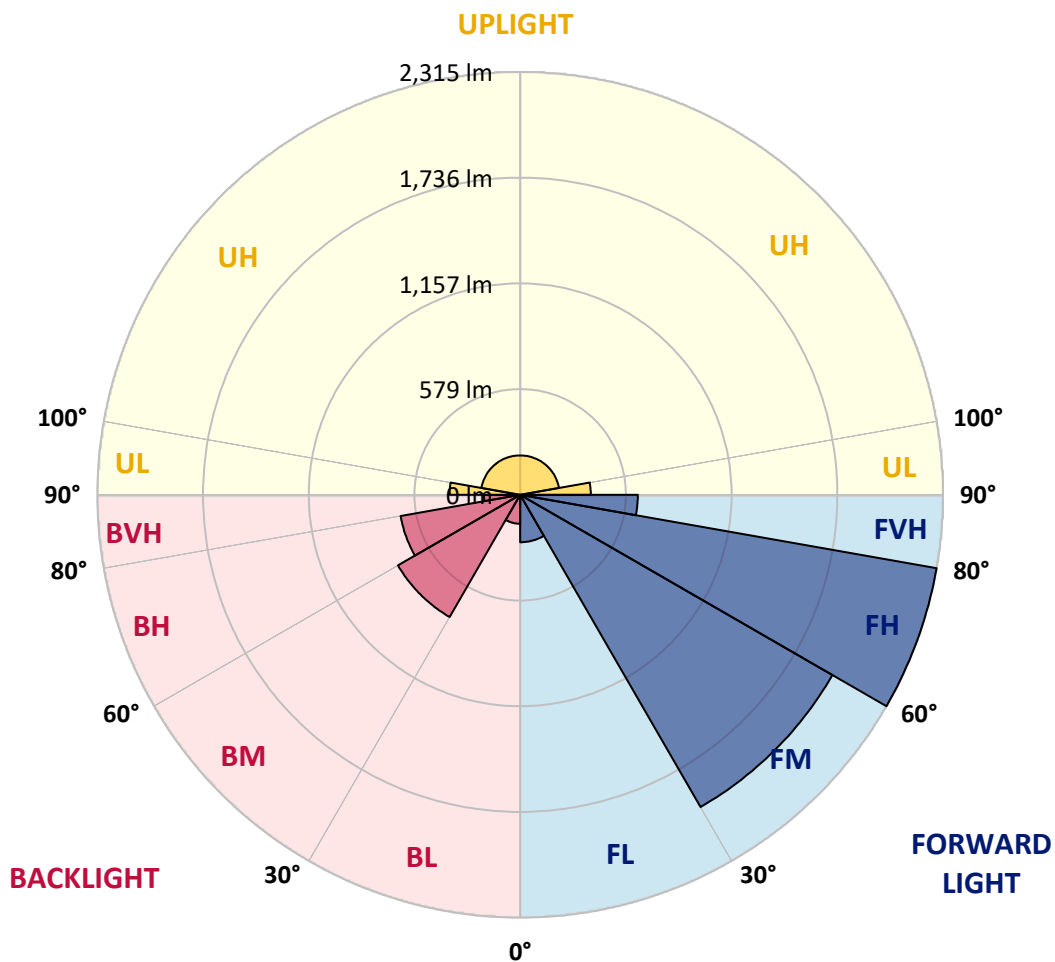
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.4	3.4			
FM	(30°-60°)	1974.0	25.7			
FH	(60°-80°)	2315.0	30.1			G2/5000
FVH	(80°-90°)	643.9	8.4			G4/750
BL	(0°-30°)	158.5	2.1	B1/500		
BM	(30°-60°)	772.3	10.0	B1/1000		
BH	(60°-80°)	664.9	8.6	B2/1000		G2/1000
BVH	(80°-90°)	198.5	2.6			G2/225
UL	(90°-100°)	386.8	5.0		U3/500	
UH	(100°-180°)	215.7	2.8		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





REPORT NUMBER: P413765

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	289.4	286.7	286.7	284.9	284.0	281.2	279.4	273.0	270.3	270.3	265.7
5°	320.5	318.7	315.0	315.0	311.4	307.7	300.4	292.2	285.8	284.9	276.7
7.5°	358.8	354.3	354.3	349.7	344.2	337.8	327.8	316.8	306.8	305.9	293.1
10°	402.7	400.8	399.0	392.6	385.3	372.5	363.4	347.9	336.0	335.1	317.7
12.5°	456.5	453.8	448.3	441.9	429.1	420.0	403.6	386.2	370.7	371.6	351.5
15°	515.0	513.1	509.5	499.4	484.8	472.1	455.6	437.4	421.8	415.4	394.4
17.5°	581.6	578.0	573.4	562.4	546.0	533.2	511.3	494.0	473.9	474.8	444.7
20°	660.1	656.5	650.1	632.8	618.1	600.8	578.0	558.8	536.0	534.1	504.0
22.5°	737.8	739.6	724.1	705.8	692.1	672.0	650.1	625.4	605.4	603.5	568.8
25°	833.6	827.2	811.7	790.7	769.7	745.1	725.9	704.0	684.8	683.0	641.9
27.5°	934.1	928.6	907.6	881.1	852.8	825.4	809.0	786.1	771.5	768.8	726.8
30°	1043.6	1034.5	1015.3	979.7	940.5	909.4	893.0	884.8	871.1	867.4	824.5
32.5°	1166.9	1155.0	1126.7	1083.8	1027.2	992.5	985.2	977.9	972.4	966.9	926.8
35°	1289.2	1285.6	1243.6	1190.6	1134.9	1089.3	1076.5	1088.4	1084.7	1081.1	1038.2
37.5°	1418.0	1424.4	1378.7	1309.3	1232.6	1184.2	1175.1	1197.0	1207.1	1207.1	1155.9
40°	1569.6	1564.1	1518.4	1433.5	1344.0	1287.4	1290.2	1323.0	1347.7	1342.2	1292.0
42.5°	1720.2	1708.3	1648.1	1565.0	1451.8	1395.2	1395.2	1445.4	1482.8	1483.7	1430.8
45°	1868.1	1855.3	1798.7	1690.1	1566.8	1505.6	1518.4	1579.6	1640.8	1632.6	1580.5
47.5°	2003.3	1997.8	1939.3	1823.4	1684.6	1620.7	1646.3	1737.6	1804.2	1804.2	1746.7
50°	2135.7	2128.3	2073.6	1943.0	1803.3	1740.3	1778.6	1890.0	1975.0	1979.5	1912.9
52.5°	2249.8	2245.2	2194.1	2064.4	1920.2	1856.3	1913.8	2053.5	2151.2	2161.2	2090.9
55°	2332.0	2334.7	2295.4	2172.2	2026.1	1973.1	2051.7	2216.0	2332.0	2333.8	2258.0
57.5°	2392.2	2395.9	2369.4	2262.6	2119.2	2079.0	2185.0	2373.0	2504.5	2512.7	2413.2
60°	2417.8	2424.2	2416.0	2326.5	2202.3	2176.7	2304.6	2513.7	2659.8	2662.5	2542.9
62.5°	2404.1	2410.5	2426.9	2363.0	2262.6	2261.7	2420.5	2636.0	2781.2	2784.8	2641.5
65°	2342.0	2352.0	2393.1	2363.0	2284.5	2314.6	2497.2	2730.1	2860.6	2865.2	2679.8
67°	2258.9	2271.7	2332.0	2331.0	2284.5	2335.6	2534.7	2769.3	2882.5	2877.1	2659.8
67.5°	2239.7	2252.5	2312.8	2321.9	2278.1	2338.4	2539.2	2773.9	2874.3	2873.4	2647.0
70°	2077.2	2100.0	2187.7	2231.5	2230.6	2316.4	2537.4	2749.2	2818.6	2809.5	2540.1
72.5°	1890.0	1918.3	2025.2	2109.2	2136.6	2248.0	2470.7	2651.5	2674.4	2663.4	2340.2
75°	1697.4	1712.9	1824.3	1943.9	2013.3	2132.0	2345.7	2496.3	2464.4	2437.9	2090.0
77.5°	1493.8	1500.2	1624.3	1758.6	1842.6	1979.5	2159.4	2269.0	2190.4	2168.5	1805.1
80°	1257.3	1283.8	1407.9	1547.6	1651.7	1775.9	1927.5	1993.2	1861.7	1841.6	1502.0
82.5°	1063.7	1080.2	1193.4	1330.3	1447.2	1564.1	1662.7	1680.0	1542.2	1527.6	1207.1
85°	868.3	882.9	1001.6	1128.5	1238.1	1335.8	1401.6	1376.0	1232.6	1217.1	954.2
87.5°	718.6	729.5	811.7	940.5	1037.2	1107.5	1142.2	1110.3	973.3	951.4	736.8
90°	569.8	586.2	660.1	768.8	867.4	913.1	916.7	863.8	751.5	735.0	564.3
92.5°	460.2	471.1	541.4	631.8	709.4	744.1	735.0	690.3	587.1	567.9	436.4
95°	372.5	381.7	440.1	519.5	582.5	614.5	588.9	529.6	448.3	441.0	336.9
97.5°	309.5	311.4	357.0	428.2	478.4	494.9	474.8	420.9	350.6	336.0	258.4
100°	252.9	254.7	293.1	347.0	392.6	403.6	383.5	331.4	272.1	263.0	202.7
102.5°	205.4	210.0	239.2	287.6	321.4	329.6	308.6	263.0	210.0	203.6	158.0
105°	174.4	175.3	200.9	237.4	267.5	273.9	252.9	213.7	165.3	161.6	126.0
107.5°	147.9	147.9	168.0	200.0	223.7	227.4	210.9	174.4	130.6	126.9	102.3



REPORT NUMBER: P413765

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	126.9	127.8	142.4	168.0	189.9	192.7	176.2	139.7	104.1	101.3	83.1
112.5°	110.5	112.3	122.4	142.4	161.6	164.4	147.9	114.1	84.9	81.3	69.4
115°	97.7	98.6	105.9	122.4	137.9	139.7	123.3	94.0	68.5	65.7	58.4
117.5°	86.7	87.7	93.1	106.8	118.7	119.6	103.2	77.6	57.5	54.8	51.1
120°	78.5	78.5	83.1	92.2	102.3	102.3	86.7	63.9	47.5	46.6	43.8
122.5°	71.2	71.2	74.0	80.3	87.7	85.8	72.1	53.0	40.2	39.3	38.3
125°	64.8	64.8	66.7	70.3	74.9	72.1	59.3	43.8	34.7	33.8	33.8
127.5°	58.4	58.4	59.3	62.1	63.0	60.3	49.3	36.5	30.1	29.2	30.1
130°	53.0	53.0	53.0	53.0	53.0	51.1	40.2	30.1	25.6	25.6	26.5
132.5°	47.5	47.5	46.6	45.7	44.7	41.1	32.9	24.7	22.8	22.8	23.7
135°	42.0	42.0	41.1	39.3	36.5	32.0	24.7	20.1	19.2	19.2	20.1
137.5°	36.5	36.5	35.6	32.9	29.2	24.7	19.2	16.4	16.4	16.4	17.3
140°	31.0	31.0	30.1	27.4	22.8	18.3	14.6	12.8	13.7	13.7	14.6
142.5°	26.5	25.6	24.7	21.9	17.3	12.8	10.0	10.0	11.0	11.0	11.9
145°	21.0	20.1	19.2	16.4	12.8	9.1	7.3	7.3	8.2	8.2	9.1
147.5°	16.4	15.5	14.6	11.9	9.1	6.4	4.6	5.5	6.4	6.4	6.4
150°	11.0	11.0	11.0	9.1	5.5	3.7	2.7	3.7	3.7	3.7	4.6
152.5°	7.3	7.3	7.3	5.5	3.7	1.8	1.8	1.8	2.7	2.7	2.7
155°	4.6	4.6	4.6	3.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.9	0.9	0.9
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: P413765

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	263.9	262.0	258.4	255.7	252.9	250.2	247.4	245.6	242.9	242.9	242.9
5°	273.0	268.4	261.1	255.7	249.3	244.7	239.2	235.6	232.8	231.9	231.9
7.5°	288.5	282.1	271.2	260.2	251.1	243.8	237.4	232.8	229.2	228.3	228.3
10°	310.4	302.2	284.9	272.1	260.2	250.2	242.0	235.6	232.8	231.0	231.0
12.5°	342.4	331.4	311.4	289.4	273.9	261.1	251.1	248.4	248.4	249.3	248.4
15°	380.7	369.8	342.4	316.8	294.0	279.4	273.9	273.9	273.0	274.8	274.8
17.5°	429.1	413.6	380.7	347.0	320.5	306.8	301.3	299.5	301.3	304.0	302.2
20°	486.7	463.8	422.7	380.7	352.4	338.7	329.6	327.8	330.5	332.4	333.3
22.5°	546.9	522.3	470.2	416.4	387.1	368.9	358.8	356.1	360.7	365.2	366.1
25°	615.4	588.0	521.4	459.3	418.2	393.5	384.4	383.5	390.8	397.2	397.2
27.5°	698.5	662.0	577.1	505.8	452.9	420.0	410.0	410.9	420.9	426.4	428.2
30°	785.2	744.1	641.0	548.8	480.3	441.0	430.1	434.6	444.7	455.6	457.4
32.5°	882.9	834.5	703.1	591.7	504.9	457.4	445.6	454.7	465.7	478.4	480.3
35°	985.2	920.4	767.0	630.9	525.0	470.2	456.5	467.5	481.2	493.1	496.7
37.5°	1101.2	1024.5	836.4	662.9	540.5	477.5	462.9	475.7	491.2	503.1	504.0
40°	1219.9	1131.3	902.1	693.0	551.5	482.1	466.6	479.4	494.0	504.0	504.9
42.5°	1344.0	1239.9	963.3	717.7	557.0	482.1	464.7	477.5	491.2	496.7	497.6
45°	1489.2	1355.0	1026.3	735.0	558.8	480.3	462.0	472.1	482.1	483.9	486.7
47.5°	1635.3	1469.1	1080.2	747.8	557.9	475.7	457.4	465.7	472.1	470.2	473.0
50°	1789.6	1593.3	1132.2	756.0	553.3	471.1	451.1	458.4	460.2	454.7	454.7
52.5°	1937.5	1701.0	1172.4	756.9	546.9	465.7	446.5	452.0	451.1	441.0	441.9
55°	2085.4	1816.1	1206.2	748.7	537.8	460.2	441.9	445.6	442.8	431.0	429.1
57.5°	2212.4	1909.2	1220.8	736.8	527.8	454.7	439.2	442.8	437.4	423.7	422.7
60°	2320.1	1981.3	1221.7	720.4	515.9	450.1	436.4	441.0	436.4	420.0	418.2
62.5°	2386.7	2014.2	1197.9	694.8	504.0	444.7	436.4	440.1	434.6	418.2	417.3
65°	2397.7	1997.8	1159.6	665.6	490.3	439.2	434.6	439.2	433.7	416.4	414.5
67°	2354.8	1950.3	1107.5	638.2	478.4	434.6	431.0	437.4	431.0	414.5	411.8
67.5°	2340.2	1928.4	1095.7	634.6	475.7	432.8	430.1	435.5	430.1	413.6	410.9
70°	2212.4	1808.8	1006.2	594.4	458.4	423.7	423.7	428.2	422.7	407.2	402.7
72.5°	2015.1	1640.8	916.7	556.1	439.2	410.0	412.7	417.3	411.8	397.2	391.7
75°	1786.9	1451.8	817.2	511.3	417.3	396.3	398.1	402.7	397.2	381.7	377.1
77.5°	1533.0	1233.5	716.8	470.2	394.4	378.0	378.9	381.7	377.1	361.6	357.0
80°	1260.9	1017.2	614.5	423.7	368.0	355.2	356.1	356.1	349.7	336.9	333.3
82.5°	1016.2	826.3	524.1	382.6	338.7	329.6	329.6	328.7	320.5	309.5	304.0
85°	790.7	666.5	439.2	340.6	309.5	301.3	300.4	296.7	288.5	276.7	270.3
87.5°	620.0	527.8	369.8	300.4	280.3	274.8	269.4	261.1	254.7	244.7	239.2
90°	483.9	419.1	312.3	263.9	252.0	244.7	239.2	229.2	219.1	209.1	206.4
92.5°	378.9	331.4	260.2	230.1	222.8	217.3	210.0	199.0	189.9	178.0	179.0
95°	300.4	269.4	221.9	202.7	197.2	192.7	183.5	171.7	161.6	150.7	148.8
97.5°	235.6	214.6	186.3	176.2	174.4	168.9	159.8	147.9	137.0	125.1	125.1
100°	187.2	175.3	157.0	155.2	151.6	147.9	138.8	127.8	114.1	104.1	104.1
102.5°	150.7	140.6	134.2	134.2	133.3	129.7	120.5	109.6	95.9	85.8	85.8
105°	120.5	116.9	114.1	116.9	117.8	114.1	105.0	93.1	79.4	70.3	72.1
107.5°	100.4	97.7	97.7	101.3	103.2	99.5	91.3	78.5	65.7	59.3	59.3



REPORT NUMBER: P413765

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	83.1	82.2	84.0	88.6	89.5	86.7	78.5	66.7	54.8	49.3	50.2
112.5°	70.3	69.4	73.0	77.6	78.5	75.8	67.6	56.6	45.7	42.0	42.0
115°	59.3	60.3	63.0	66.7	68.5	65.7	58.4	48.4	37.4	35.6	35.6
117.5°	51.1	52.0	54.8	59.3	60.3	56.6	49.3	40.2	32.0	31.0	31.0
120°	44.7	45.7	48.4	51.1	52.0	48.4	42.0	33.8	27.4	26.5	26.5
122.5°	39.3	41.1	42.9	44.7	45.7	42.0	36.5	28.3	22.8	22.8	23.7
125°	34.7	35.6	37.4	39.3	39.3	35.6	30.1	23.7	20.1	20.1	20.1
127.5°	31.0	31.0	32.0	33.8	33.8	31.0	25.6	19.2	17.3	17.3	18.3
130°	27.4	28.3	28.3	28.3	28.3	25.6	21.0	16.4	14.6	15.5	15.5
132.5°	23.7	24.7	24.7	24.7	23.7	21.0	17.3	13.7	12.8	13.7	13.7
135°	21.0	21.0	21.0	21.0	19.2	17.3	13.7	11.0	11.0	11.9	11.9
137.5°	18.3	18.3	18.3	17.3	15.5	13.7	11.0	9.1	9.1	10.0	10.0
140°	14.6	15.5	14.6	13.7	11.9	10.0	8.2	7.3	8.2	8.2	8.2
142.5°	11.9	11.9	11.9	11.0	9.1	7.3	6.4	5.5	6.4	6.4	7.3
145°	9.1	9.1	9.1	8.2	6.4	4.6	4.6	4.6	5.5	5.5	5.5
147.5°	6.4	6.4	6.4	5.5	3.7	2.7	2.7	2.7	3.7	3.7	3.7
150°	4.6	4.6	4.6	3.7	1.8	0.9	0.9	1.8	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	1.8	1.8	0.9	0.9
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.0	0.0
157.5°	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0
160°	0.9	0.9	0.9	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

(END OF REPORT)