

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: P416143

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416143  
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-PA1-60-830-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA 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: 5601 lumens  
Efficiency: N/A  
Efficacy: 87.5 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): 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

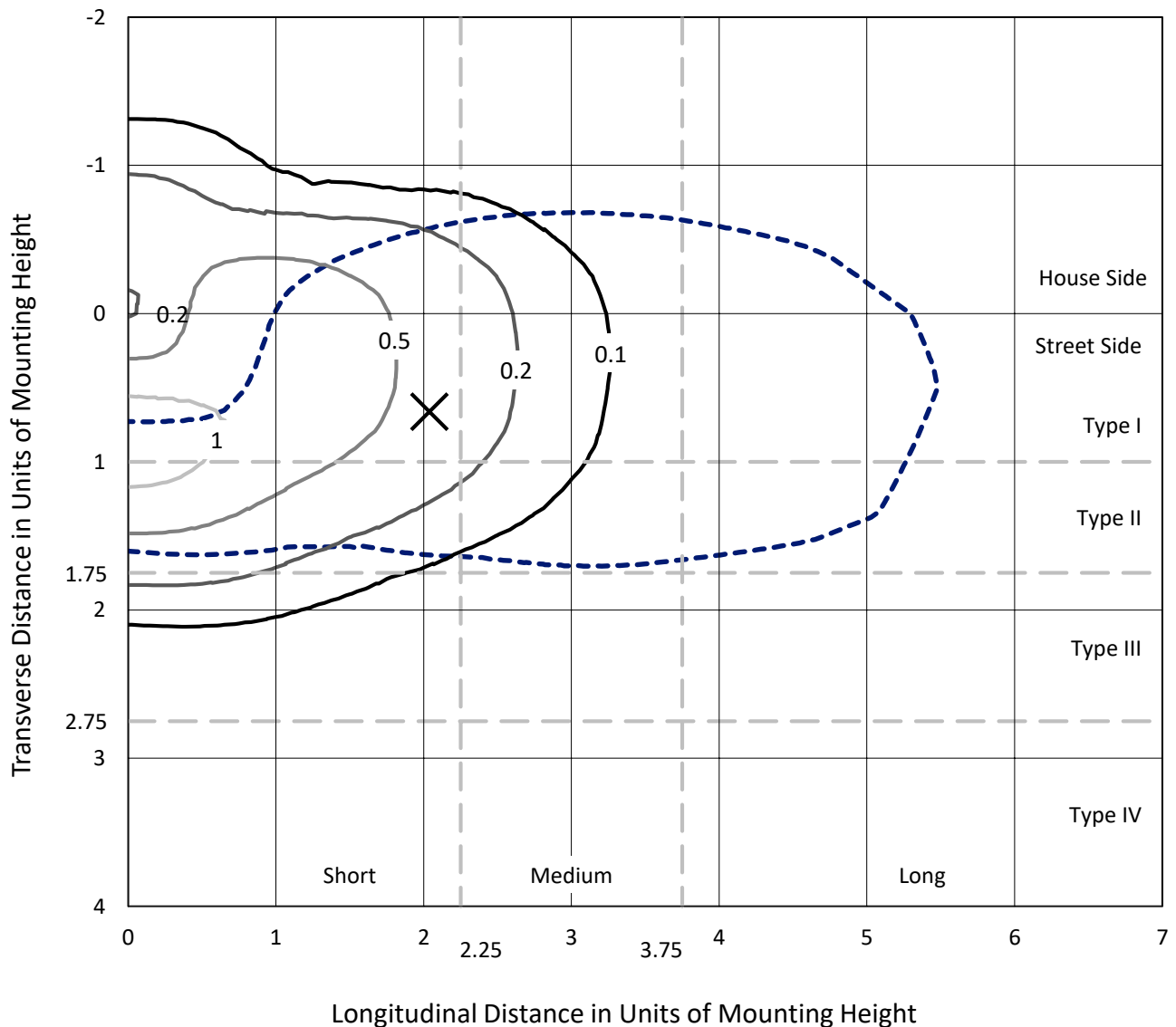


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

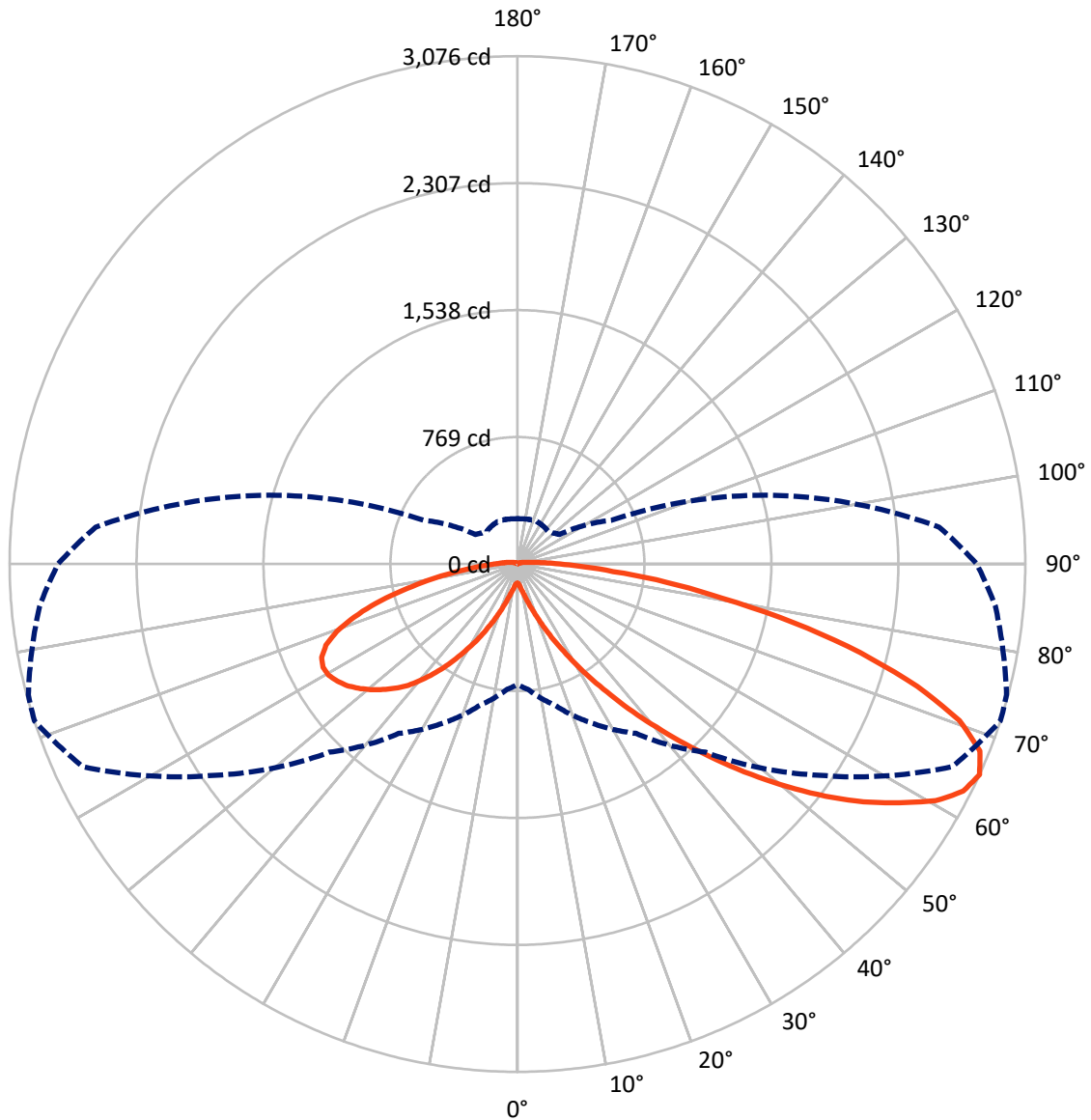


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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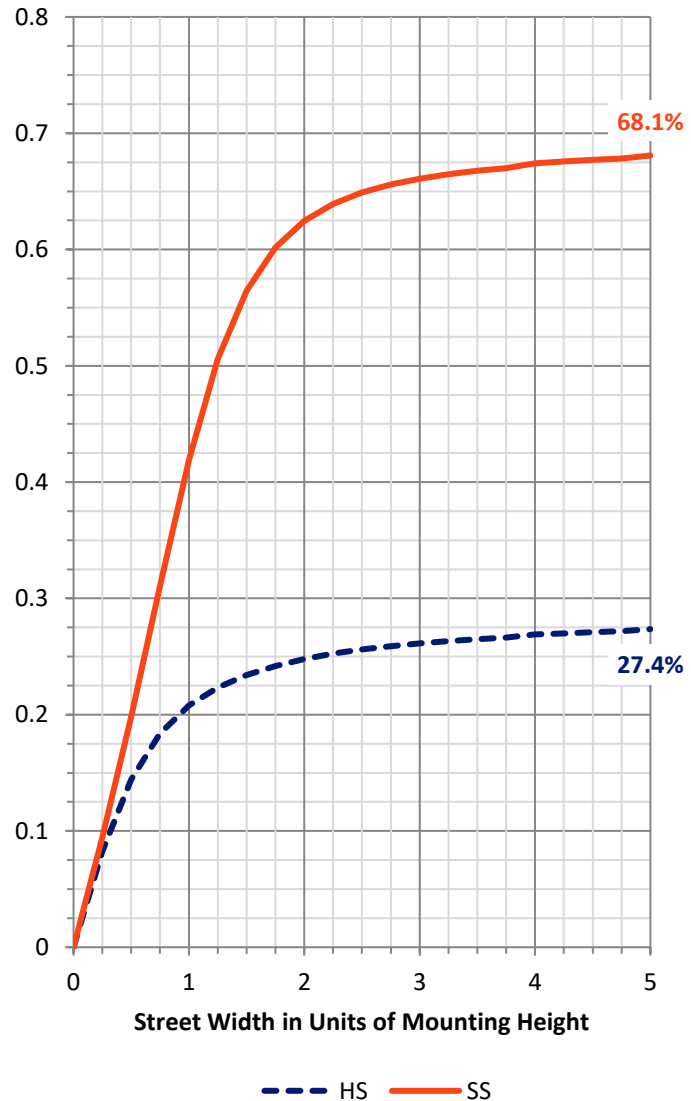
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1579.2	79.5	1658.6
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	3864.9	77.5	3942.4
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	5444.1	156.9	5601.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.3	0.2
10°-20°	67.7	1.2
20°-30°	214.6	3.8
30°-40°	514.3	9.2
40°-50°	949.6	17.0
50°-60°	1293.9	23.1
60°-70°	1261.5	22.5
70°-80°	823.9	14.7
80°-90°	305.2	5.4
90°-100°	84.8	1.5
100°-110°	35.6	0.6
110°-120°	17.9	0.3
120°-130°	10.1	0.2
130°-140°	5.7	0.1
140°-150°	2.3	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5444.1	97.2
0°-180°	5601.0	100.0



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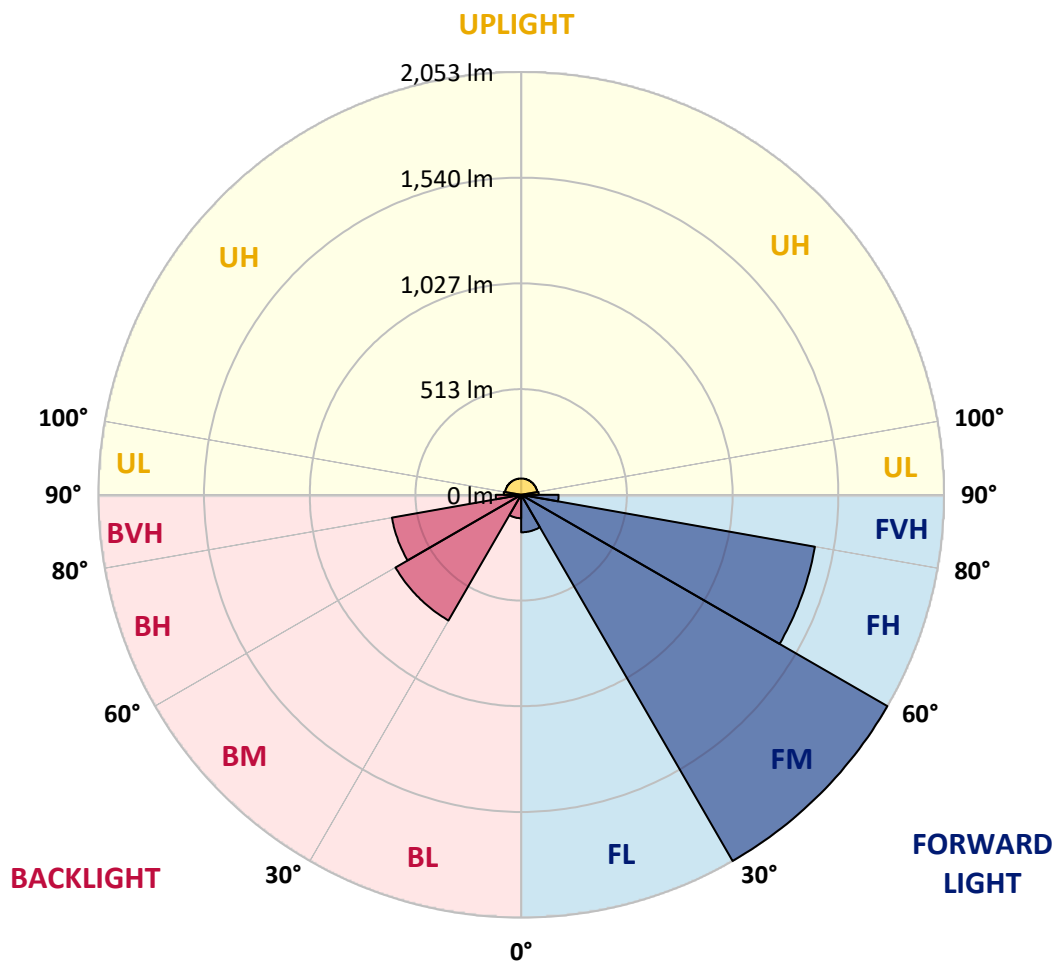
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.0	3.2			
FM (30°-60°)	2053.0	36.7			
FH (60°-80°)	1448.3	25.9			G1/1800
FVH (80°-90°)	181.7	3.2			G2/225
BL (0°-30°)	113.7	2.0	B1/500		
BM (30°-60°)	704.8	12.6	B1/1000		
BH (60°-80°)	637.2	11.4	B2/1000		G2/1000
BVH (80°-90°)	123.5	2.2			G2/225
UL (90°-100°)	84.8	1.5		U3/500	
UH (100°-180°)	79.5	1.4		U3/500	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	129.0	128.4	127.1	126.4	126.4	125.1	123.8	121.9	120.6	119.9	118.6
5°	145.9	144.6	143.3	142.0	140.7	138.7	135.5	133.5	130.9	130.3	127.7
7.5°	169.8	168.5	164.7	163.4	161.4	158.8	154.9	151.0	148.5	146.5	142.6
10°	201.6	200.3	197.7	194.5	190.6	185.4	178.9	175.0	168.5	169.8	164.0
12.5°	245.0	241.8	238.6	233.4	225.6	219.8	210.7	206.8	199.7	199.7	192.5
15°	297.6	296.9	290.4	279.4	272.3	260.0	252.2	243.7	239.2	239.2	233.4
17.5°	365.6	361.1	355.9	341.0	324.8	309.9	299.5	293.7	288.5	287.2	279.4
20°	449.9	443.4	435.6	409.1	389.6	371.5	356.5	352.0	348.1	347.5	341.0
22.5°	556.9	543.2	529.0	503.1	471.9	440.2	429.8	419.4	420.1	421.4	406.5
25°	675.5	671.6	646.3	609.4	568.5	533.5	505.0	501.1	505.0	502.4	496.6
27.5°	827.8	814.9	783.1	735.8	671.0	630.1	599.6	597.1	597.7	600.9	591.2
30°	1005.5	999.0	958.8	879.7	796.1	741.6	708.6	704.0	711.8	712.4	697.5
32.5°	1214.8	1201.9	1140.3	1052.1	938.0	868.7	831.1	829.8	838.2	840.1	828.5
35°	1426.8	1420.3	1359.4	1233.0	1107.9	1002.9	964.6	967.2	973.0	984.7	971.1
37.5°	1671.2	1653.7	1575.3	1441.7	1283.6	1157.8	1117.0	1126.0	1135.1	1135.1	1116.3
40°	1902.0	1895.5	1813.2	1645.3	1456.0	1339.3	1294.6	1299.8	1299.1	1299.8	1275.1
42.5°	2115.9	2093.9	2021.3	1843.0	1647.9	1529.3	1475.4	1483.9	1491.7	1497.5	1435.3
45°	2260.5	2241.7	2177.5	2001.8	1829.4	1717.3	1682.2	1682.2	1691.3	1688.7	1627.1
47.5°	2311.7	2309.1	2261.1	2127.6	1969.4	1882.6	1884.5	1891.6	1905.2	1892.9	1804.8
50°	2287.7	2277.4	2268.9	2194.4	2085.5	2044.0	2082.9	2119.2	2120.5	2098.4	1986.3
52.5°	2137.3	2138.6	2181.4	2167.8	2117.9	2160.0	2278.6	2342.8	2337.0	2315.6	2180.8
55°	1908.5	1918.9	1993.4	2050.5	2080.9	2197.6	2423.9	2556.8	2543.8	2514.0	2377.2
57.5°	1603.8	1637.5	1737.3	1861.8	1970.7	2162.6	2502.9	2742.2	2728.5	2728.5	2573.0
60°	1279.7	1306.9	1454.1	1605.7	1777.5	2044.6	2510.7	2878.3	2911.4	2890.6	2711.7
62.5°	992.5	1004.2	1156.5	1347.7	1531.8	1846.3	2421.3	2943.1	3030.6	3013.1	2836.2
65°	730.6	763.7	886.8	1061.9	1252.4	1612.2	2230.0	2904.9	3076.0	3066.9	2904.9
67.5°	543.2	558.2	661.2	823.3	1011.9	1321.2	1951.3	2737.6	3021.6	3029.3	2894.5
70°	407.1	411.0	491.4	624.9	785.7	1042.4	1626.5	2470.5	2840.7	2875.7	2801.8
72.5°	307.9	315.1	381.8	486.8	606.1	802.6	1285.5	2107.5	2532.1	2619.0	2591.1
75°	241.2	249.6	295.6	376.6	468.7	607.4	973.0	1678.4	2145.1	2257.3	2288.4
77.5°	190.6	199.7	238.6	300.8	365.6	468.7	715.0	1255.7	1713.4	1825.5	1916.3
80°	149.7	156.2	190.6	236.6	287.8	346.2	501.1	912.8	1258.3	1398.3	1481.3
82.5°	114.1	121.2	147.8	186.7	225.6	264.5	357.8	621.0	912.8	976.3	1117.6
85°	83.0	89.5	111.5	143.3	173.7	204.9	261.9	414.2	581.5	657.3	728.6
87.5°	60.9	63.5	83.0	106.3	133.5	154.9	188.6	264.5	369.5	407.1	466.7
90°	42.8	45.4	60.9	78.4	101.1	121.2	138.7	175.0	230.1	263.8	274.9
92.5°	31.8	33.7	45.4	59.0	77.8	94.0	105.0	123.8	149.7	164.0	173.1
95°	24.0	25.9	35.7	46.7	60.3	73.9	82.3	89.5	104.4	108.3	116.0
97.5°	19.4	20.7	29.2	38.2	48.6	60.9	65.5	69.4	74.6	78.4	81.7
100°	16.9	17.5	24.6	32.4	41.5	49.3	53.2	55.1	58.3	59.6	60.9
102.5°	14.9	14.9	21.4	27.9	35.7	41.5	44.7	44.7	45.4	46.0	45.4
105°	13.0	13.6	18.8	24.6	30.5	35.7	38.2	37.0	36.3	35.7	33.7
107.5°	12.3	12.3	16.9	22.0	27.2	31.1	33.1	30.5	29.2	27.9	25.9
110°	11.0	11.7	14.9	19.4	24.0	27.2	28.5	25.9	23.3	22.0	20.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.4	11.0	13.6	17.5	21.4	24.6	24.6	22.0	18.8	17.5	16.2
115°	10.4	10.4	12.3	15.6	19.4	22.0	22.0	18.8	15.6	14.3	13.6
117.5°	10.4	10.4	11.7	14.3	17.5	19.4	19.4	16.2	13.0	11.7	11.7
120°	9.7	9.7	11.0	13.0	16.2	17.5	16.9	14.3	11.0	10.4	10.4
122.5°	9.7	9.7	10.4	12.3	14.9	16.2	15.6	12.3	9.7	8.4	9.1
125°	10.4	9.7	10.4	11.7	13.6	14.3	13.6	10.4	8.4	7.8	8.4
127.5°	10.4	10.4	9.7	11.0	12.3	13.0	12.3	9.1	7.1	7.1	7.8
130°	10.4	10.4	9.7	10.4	11.0	11.7	10.4	7.8	6.5	6.5	7.1
132.5°	10.4	10.4	9.7	9.7	10.4	10.4	9.1	6.5	5.8	5.8	6.5
135°	10.4	10.4	9.1	9.1	9.1	9.1	7.8	5.8	5.2	5.2	5.8
137.5°	9.7	9.7	9.1	8.4	8.4	7.8	6.5	4.5	3.9	4.5	5.2
140°	9.1	9.1	8.4	7.1	7.1	6.5	5.2	3.9	3.2	3.9	3.9
142.5°	8.4	8.4	7.8	6.5	5.8	5.2	4.5	2.6	2.6	2.6	3.2
145°	7.8	7.8	7.1	5.2	4.5	3.9	3.2	1.9	1.9	1.9	2.6
147.5°	6.5	6.5	5.8	4.5	3.2	3.2	1.9	1.3	1.9	1.9	1.9
150°	5.2	5.2	4.5	3.2	2.6	1.9	0.6	1.3	1.3	1.3	1.9
152.5°	4.5	4.5	3.2	2.6	1.3	0.6	0.6	0.6	1.3	1.3	1.3
155°	3.2	3.2	2.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
157.5°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	117.3	117.3	116.7	116.0	115.4	114.7	113.4	112.8	112.8	112.1	112.1
5°	126.4	125.8	123.8	121.9	119.3	118.0	116.0	114.7	114.1	113.4	113.4
7.5°	140.7	139.4	135.5	132.2	129.0	126.4	123.2	121.2	120.6	118.6	119.3
10°	160.8	158.8	154.3	148.5	142.6	138.7	134.2	131.6	130.3	129.0	127.7
12.5°	189.9	186.1	178.3	170.5	162.1	154.3	149.7	147.8	149.1	148.5	149.1
15°	230.1	223.0	211.3	199.7	184.8	175.0	173.7	173.1	173.1	173.7	175.0
17.5°	275.5	267.7	252.8	231.4	213.9	204.2	198.4	197.7	201.0	201.6	201.0
20°	335.2	327.4	304.0	274.9	249.6	234.0	226.2	226.2	230.8	232.1	234.7
22.5°	399.3	394.8	363.0	322.8	289.1	263.8	252.8	254.1	260.6	262.5	263.8
25°	488.8	470.6	431.7	376.6	328.0	294.3	279.4	280.0	287.2	292.4	294.3
27.5°	587.3	566.6	509.5	437.6	366.9	319.6	302.7	303.4	311.8	318.3	319.6
30°	693.0	672.2	597.7	497.9	403.2	342.3	319.6	320.2	330.0	337.1	338.4
32.5°	805.8	788.9	684.6	562.7	435.0	357.8	330.6	331.3	339.7	346.2	347.5
35°	948.4	910.2	787.6	620.4	461.6	367.6	335.8	335.2	343.6	350.1	351.4
37.5°	1089.1	1048.2	885.5	674.2	477.1	370.2	334.5	334.5	341.0	346.2	346.8
40°	1242.1	1174.0	988.6	716.3	483.0	366.3	330.6	330.0	335.2	337.7	338.4
42.5°	1406.7	1323.1	1089.7	750.0	480.4	357.8	323.5	324.1	326.1	326.1	325.4
45°	1555.2	1470.3	1176.6	772.1	471.3	346.8	315.1	315.7	316.4	311.2	311.2
47.5°	1729.6	1626.5	1258.3	777.3	453.1	335.8	308.6	309.9	306.6	299.5	298.2
50°	1894.9	1780.1	1340.6	775.3	434.3	324.1	302.1	303.4	297.6	287.8	285.9
52.5°	2079.0	1931.8	1418.4	765.6	411.6	313.8	297.6	298.8	292.4	280.7	278.8
55°	2260.5	2092.6	1489.7	748.7	392.2	302.7	293.0	296.3	287.8	276.2	275.5
57.5°	2433.6	2252.1	1548.7	724.1	371.5	295.0	289.8	293.7	285.9	274.2	273.6
60°	2587.9	2387.6	1596.0	700.1	348.8	287.2	286.5	291.7	284.6	274.9	274.2
62.5°	2696.1	2509.4	1617.4	667.7	330.6	278.8	282.6	287.8	282.6	274.9	274.9
65°	2782.3	2563.9	1609.0	624.9	311.2	269.7	277.5	282.6	279.4	274.2	274.9
67.5°	2766.1	2562.6	1553.9	573.7	293.0	260.0	268.4	275.5	272.9	271.0	270.3
70°	2666.3	2441.4	1448.2	518.0	274.2	247.6	257.4	264.5	263.8	263.2	263.2
72.5°	2460.8	2231.3	1290.0	453.8	254.8	234.7	243.1	249.6	250.9	250.2	248.3
75°	2192.4	1942.2	1106.6	393.5	234.7	219.1	228.2	232.1	234.0	232.7	232.7
77.5°	1798.9	1619.4	879.7	332.6	213.3	201.6	208.1	211.3	213.9	210.7	208.7
80°	1429.4	1231.7	676.8	271.6	189.9	182.2	185.4	186.7	189.3	186.1	182.2
82.5°	1003.5	877.7	490.7	221.7	166.6	160.1	162.1	161.4	162.7	158.2	153.0
85°	670.3	589.9	337.7	178.3	142.6	136.8	136.8	134.8	133.5	129.0	125.1
87.5°	420.7	373.4	232.1	140.7	119.9	115.4	112.8	108.9	107.6	104.4	99.8
90°	259.3	238.6	162.1	112.8	99.8	95.9	93.3	87.5	86.9	81.7	78.4
92.5°	169.8	155.6	119.9	91.4	83.6	79.7	76.5	71.3	70.7	66.8	64.8
95°	112.1	108.9	91.4	76.5	70.7	67.4	64.2	59.6	58.3	54.5	51.9
97.5°	82.3	82.3	75.2	64.8	60.3	57.0	55.1	51.2	48.6	44.7	43.4
100°	62.2	62.9	60.3	55.8	51.9	48.6	46.7	43.4	41.5	37.6	37.0
102.5°	48.0	49.3	49.9	47.3	44.7	42.1	40.2	37.6	35.0	31.1	30.5
105°	37.0	38.2	40.8	40.2	38.9	37.0	35.0	32.4	29.2	25.9	25.9
107.5°	28.5	29.8	33.7	34.4	33.7	31.8	30.5	27.9	25.3	22.0	22.0
110°	22.0	24.0	27.9	29.2	29.2	27.9	26.6	24.0	20.7	18.8	18.8



REPORT NUMBER: P416143

CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.2	20.1	23.3	25.3	25.3	24.6	22.7	20.1	17.5	16.2	16.2
115°	14.9	16.9	20.1	22.0	22.0	21.4	20.1	17.5	14.9	14.3	14.3
117.5°	13.0	14.3	16.9	18.8	19.4	18.8	17.5	14.9	13.0	13.0	13.0
120°	11.7	13.0	14.9	16.2	16.9	16.2	14.9	13.0	11.0	11.7	11.7
122.5°	10.4	11.0	13.0	14.9	14.9	14.9	13.6	11.0	9.7	10.4	10.4
125°	9.1	10.4	11.7	13.0	13.6	13.0	11.7	9.7	8.4	9.1	9.7
127.5°	8.4	9.1	10.4	11.7	11.7	11.7	10.4	8.4	7.8	8.4	8.4
130°	7.8	8.4	9.1	10.4	10.4	10.4	9.1	7.1	7.1	7.8	7.8
132.5°	7.1	7.8	8.4	9.1	9.1	9.1	7.8	6.5	5.8	7.1	7.1
135°	6.5	6.5	7.1	7.8	7.8	7.8	6.5	5.2	5.2	6.5	6.5
137.5°	5.2	5.8	6.5	6.5	6.5	6.5	5.2	4.5	4.5	5.2	5.2
140°	4.5	4.5	5.2	5.2	5.2	5.2	4.5	3.2	3.9	4.5	4.5
142.5°	3.9	3.9	4.5	4.5	4.5	3.9	3.2	2.6	3.2	3.9	3.9
145°	2.6	3.2	3.2	3.2	3.2	2.6	1.9	1.9	2.6	3.2	3.2
147.5°	2.6	2.6	2.6	2.6	2.6	1.9	1.3	1.3	1.9	2.6	2.6
150°	1.9	1.9	2.6	2.6	1.9	1.3	0.6	0.6	1.3	1.9	1.9
152.5°	1.3	1.3	1.9	1.9	1.3	0.6	0.0	0.0	0.6	0.6	0.6
155°	1.3	1.3	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	1.3	1.3	0.6	0.6	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.6	0.6	0.6	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)