

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: P415974

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-750-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6723 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

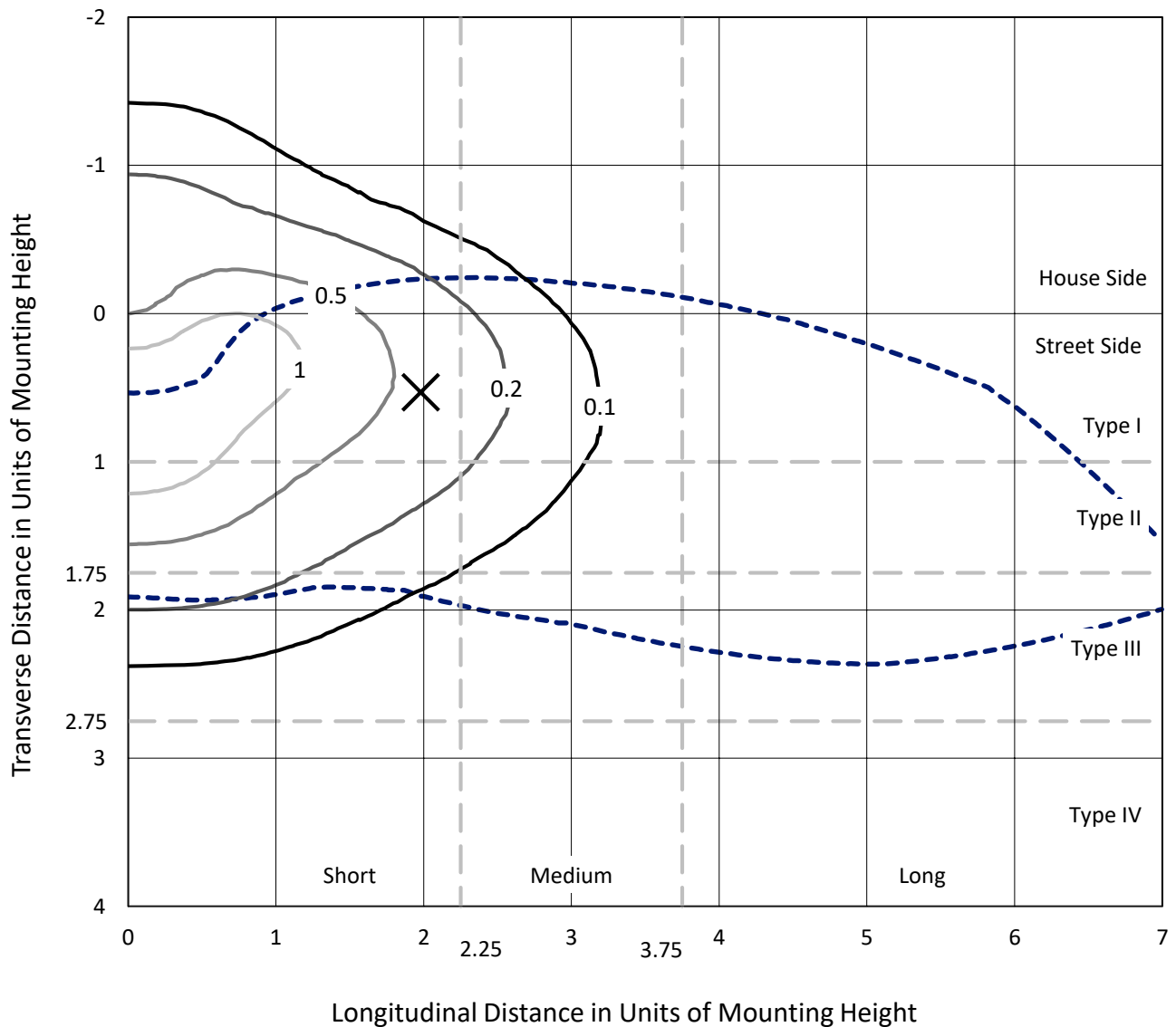
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

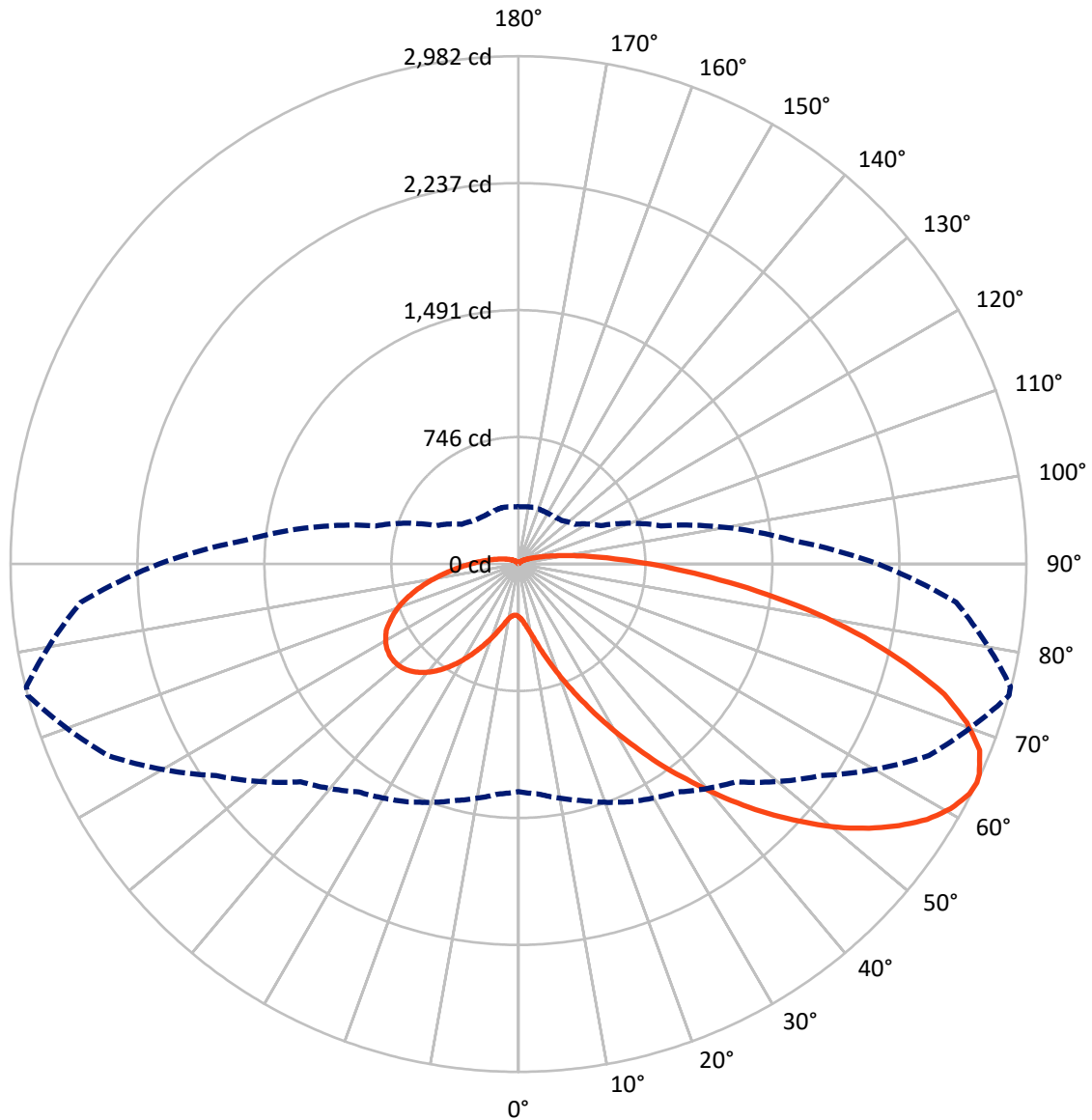


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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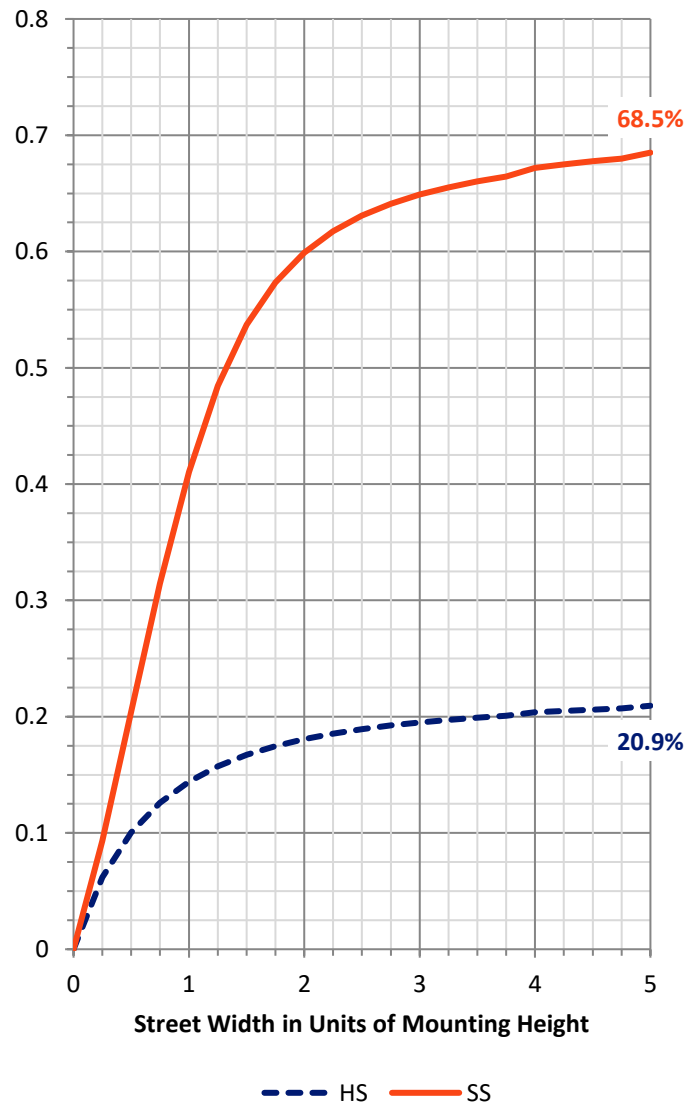
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1482.8	195.3	1678.1
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4747.8	297.1	5044.9
	% Fixture	70.6	4.4	75.0
Total	Lumens	6230.6	492.4	6723.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	0.5
10°-20°	135.6	2.0
20°-30°	343.3	5.1
30°-40°	672.3	10.0
40°-50°	1045.9	15.6
50°-60°	1282.6	19.1
60°-70°	1246.9	18.5
70°-80°	940.3	14.0
80°-90°	531.0	7.9
90°-100°	250.5	3.7
100°-110°	121.0	1.8
110°-120°	63.5	0.9
120°-130°	34.2	0.5
130°-140°	16.7	0.2
140°-150°	5.7	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6230.6	92.7
0°-180°	6723.0	100.0



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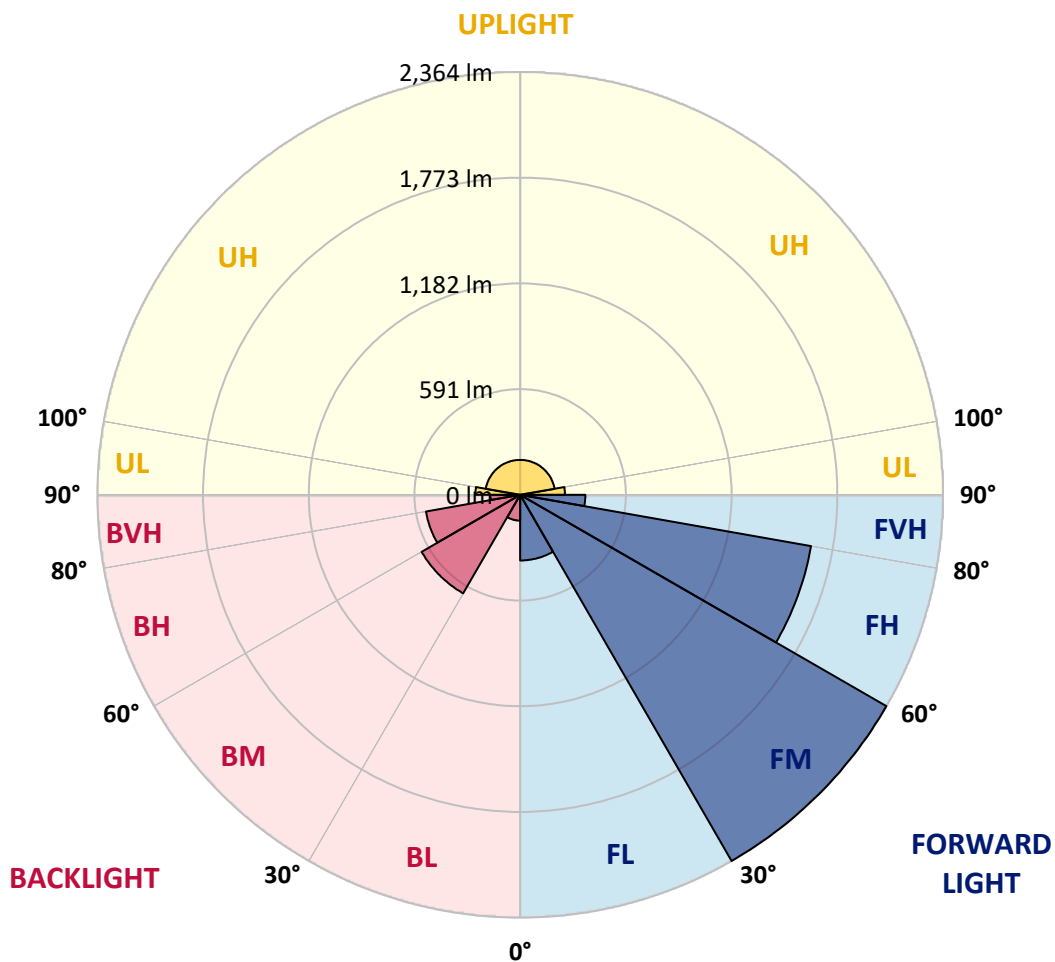
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.3	5.5			
FM	(30°-60°)	2364.5	35.2			
FH	(60°-80°)	1651.9	24.6			G1/1800
FVH	(80°-90°)	364.2	5.4			G3/500
BL	(0°-30°)	144.3	2.1	B1/500		
BM	(30°-60°)	636.4	9.5	B1/1000		
BH	(60°-80°)	535.4	8.0	B2/1000		G2/1000
BVH	(80°-90°)	166.8	2.5			G2/225
UL	(90°-100°)	250.5	3.7		U3/500	
UH	(100°-180°)	195.3	2.9		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0
2.5°	361.4	358.1	356.5	355.7	349.9	344.2	337.7	331.2	323.8	322.2	315.7
5°	417.6	413.6	411.9	407.0	398.9	389.1	375.2	362.2	345.9	346.7	332.0
7.5°	482.1	478.8	473.9	466.6	454.4	441.3	420.9	401.3	379.3	376.9	355.7
10°	555.5	553.1	548.2	536.7	521.2	499.2	478.8	449.5	418.5	416.8	385.8
12.5°	643.6	640.3	626.5	615.0	594.7	574.3	543.3	508.2	474.7	470.7	432.3
15°	743.1	738.2	728.4	710.5	688.5	655.0	622.4	587.3	543.3	535.9	491.1
17.5°	845.1	845.1	832.8	811.6	781.5	752.1	716.2	672.1	616.7	615.9	556.3
20°	973.1	971.5	952.8	921.8	891.6	860.6	817.3	767.6	705.6	699.9	627.3
22.5°	1111.8	1110.2	1087.3	1053.9	1014.8	970.7	922.6	870.4	802.7	795.3	710.5
25°	1261.9	1261.1	1237.4	1186.1	1136.3	1094.7	1044.9	987.0	908.7	907.1	805.1
27.5°	1444.6	1435.7	1399.0	1336.1	1273.3	1219.5	1161.6	1109.4	1031.1	1018.8	905.4
30°	1620.8	1615.9	1566.2	1498.5	1412.0	1341.0	1282.3	1242.3	1161.6	1150.2	1022.9
32.5°	1802.7	1799.5	1739.1	1660.8	1553.9	1465.8	1420.2	1376.9	1299.4	1294.5	1138.7
35°	2004.2	1991.2	1921.8	1814.2	1690.2	1591.5	1550.7	1531.1	1454.4	1436.5	1266.0
37.5°	2169.0	2159.2	2096.4	1965.1	1819.0	1713.0	1682.0	1669.0	1602.9	1595.5	1403.8
40°	2328.1	2320.7	2244.0	2102.1	1935.7	1829.7	1798.7	1820.7	1767.7	1756.2	1542.5
42.5°	2443.1	2433.3	2362.3	2211.4	2036.8	1925.1	1924.3	1974.8	1936.5	1924.3	1686.1
45°	2511.6	2501.8	2443.1	2297.9	2116.0	2008.3	2027.1	2116.0	2104.5	2089.9	1817.4
47.5°	2518.1	2512.4	2470.0	2335.4	2164.1	2073.5	2127.4	2254.6	2266.9	2253.0	1957.7
50°	2458.6	2464.3	2437.4	2330.5	2181.2	2116.0	2209.0	2386.0	2430.8	2414.5	2097.2
52.5°	2346.0	2339.5	2350.9	2275.0	2163.3	2130.7	2264.4	2496.1	2578.5	2562.2	2226.1
55°	2158.4	2163.3	2203.2	2174.7	2107.0	2113.5	2297.9	2583.4	2712.3	2699.2	2342.7
57.5°	1961.0	1949.6	2021.3	2026.2	2007.5	2067.8	2302.0	2649.4	2830.5	2816.7	2443.1
60°	1702.4	1730.1	1794.6	1850.0	1882.7	1992.0	2275.0	2683.7	2917.0	2912.9	2523.8
62.5°	1478.9	1484.6	1571.9	1655.9	1734.2	1885.1	2215.5	2682.9	2973.3	2968.4	2572.0
64°	1337.0	1355.7	1438.1	1540.1	1633.9	1808.4	2166.5	2660.0	2982.3	2978.2	2580.1
65°	1259.5	1257.0	1355.7	1458.5	1559.6	1750.5	2116.8	2635.6	2974.1	2974.1	2576.8
67.5°	1046.6	1054.7	1141.2	1259.5	1384.3	1597.2	1989.5	2548.3	2920.3	2926.0	2529.5
70°	863.0	875.3	969.9	1075.1	1213.0	1443.0	1832.1	2390.9	2793.8	2802.0	2427.6
72.5°	712.1	726.0	795.3	901.4	1053.9	1280.7	1654.3	2193.5	2615.2	2618.4	2257.1
75°	579.2	594.7	664.8	757.0	889.1	1106.1	1460.1	1978.9	2355.0	2371.3	2036.8
77.5°	471.5	487.8	552.2	635.4	761.1	946.2	1267.6	1730.9	2078.4	2088.2	1784.8
80°	380.9	398.1	455.2	533.5	642.8	805.9	1087.3	1477.3	1779.9	1779.9	1525.4
82.5°	309.2	323.8	375.2	442.9	542.5	680.3	913.6	1227.7	1471.6	1472.4	1260.3
85°	249.6	258.6	309.2	368.7	451.1	570.2	755.4	999.3	1186.9	1169.7	1015.6
87.5°	200.7	208.8	251.2	309.2	374.4	475.6	619.9	813.3	933.2	938.9	810.8
90°	161.5	166.4	205.6	254.5	314.9	393.2	504.1	646.9	734.1	726.8	635.4
92.5°	131.3	137.0	170.5	214.5	265.1	330.4	415.2	512.3	568.6	570.2	496.8
95°	107.7	110.9	141.9	181.1	226.8	276.5	338.5	407.9	446.2	441.3	386.6
97.5°	89.7	91.4	119.9	155.0	192.5	233.3	282.2	324.7	345.9	342.6	302.6
100°	75.9	77.5	102.0	134.6	166.4	199.0	233.3	261.8	269.2	265.1	238.2
102.5°	66.1	66.9	87.3	116.6	143.6	170.5	194.1	212.1	211.3	211.3	188.4
105°	57.9	58.7	75.9	102.0	126.4	147.6	164.0	172.9	169.7	168.0	150.9
107.5°	52.2	53.0	66.9	89.7	111.8	128.1	140.3	142.8	136.2	134.6	122.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	47.3	47.3	58.7	79.1	98.7	111.8	119.9	119.9	110.1	109.3	101.1
112.5°	43.2	44.0	53.0	70.2	87.3	98.7	103.6	99.5	90.5	89.7	85.7
115°	40.0	40.8	47.3	62.8	77.5	87.3	89.7	84.0	75.0	74.2	71.0
117.5°	37.5	38.3	43.2	55.5	69.3	76.7	77.5	71.8	62.8	62.0	61.2
120°	35.9	35.9	40.0	49.8	61.2	67.7	66.9	61.2	53.8	53.0	53.0
122.5°	34.3	34.3	36.7	44.0	53.8	59.5	58.7	52.2	45.7	45.7	45.7
125°	32.6	32.6	34.3	40.0	48.1	52.2	50.6	44.9	39.2	39.2	40.8
127.5°	31.0	31.0	31.8	35.1	42.4	44.9	43.2	37.5	34.3	34.3	35.1
130°	29.4	29.4	29.4	31.8	36.7	38.3	36.7	31.8	29.4	29.4	31.0
132.5°	27.7	27.7	27.7	27.7	31.0	32.6	30.2	26.1	25.3	26.1	26.9
135°	26.1	26.1	25.3	24.5	26.1	26.9	24.5	22.0	22.0	22.0	23.7
137.5°	24.5	23.7	22.8	22.0	21.2	21.2	19.6	17.1	18.8	18.8	20.4
140°	22.0	21.2	20.4	18.8	17.1	16.3	14.7	13.9	15.5	15.5	16.3
142.5°	19.6	18.8	17.9	15.5	13.1	11.4	9.8	10.6	12.2	12.2	13.1
145°	16.3	16.3	14.7	12.2	9.8	8.2	6.5	7.3	9.0	9.0	9.8
147.5°	13.9	13.1	12.2	9.8	6.5	4.9	3.3	4.9	6.5	6.5	7.3
150°	10.6	9.8	9.0	6.5	4.1	1.6	1.6	3.3	4.1	4.1	4.9
152.5°	7.3	7.3	6.5	4.1	1.6	0.0	0.8	1.6	2.4	2.4	3.3
155°	4.9	4.1	3.3	2.4	0.8	0.0	0.0	0.8	1.6	1.6	1.6
157.5°	2.4	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	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°	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0
2.5°	311.6	308.3	301.0	294.5	287.9	282.2	279.0	274.9	274.1	273.3	273.3
5°	323.0	315.7	301.0	287.1	274.1	263.5	255.3	247.2	243.1	241.5	240.6
7.5°	342.6	331.2	307.5	286.3	266.7	250.4	237.4	227.6	221.9	218.6	217.8
10°	369.5	353.2	320.6	291.2	265.1	243.9	227.6	216.2	208.8	205.6	204.7
12.5°	411.9	385.8	345.0	303.4	269.2	243.1	224.3	212.1	208.8	205.6	205.6
15°	460.1	434.0	377.7	326.3	282.2	248.0	231.7	223.5	218.6	216.2	215.3
17.5°	522.1	482.1	414.4	350.8	298.6	265.9	244.7	235.7	230.8	228.4	227.6
20°	585.7	538.4	455.2	377.7	320.6	287.1	261.8	248.0	243.1	240.6	239.8
22.5°	661.5	604.4	497.6	406.2	345.9	306.7	278.2	261.8	256.1	253.7	254.5
25°	739.0	677.9	543.3	436.4	369.5	323.0	293.7	274.9	270.8	267.6	267.6
27.5°	833.7	752.1	589.8	470.7	389.9	337.7	307.5	288.8	281.4	281.4	280.6
30°	933.2	831.2	640.3	500.0	407.9	350.8	318.1	301.0	293.7	292.8	292.8
32.5°	1030.2	916.0	690.1	529.4	421.7	359.7	327.9	311.6	302.6	301.8	302.6
35°	1143.6	1002.5	736.6	553.1	434.0	367.1	335.3	320.6	310.8	310.0	310.0
37.5°	1251.3	1091.4	781.5	571.8	442.1	372.0	341.0	327.9	317.3	316.5	315.7
40°	1363.9	1175.4	822.2	587.3	446.2	375.2	344.2	332.8	323.0	319.8	319.8
42.5°	1478.1	1260.3	856.5	596.3	448.6	376.0	346.7	336.1	327.1	321.4	321.4
45°	1584.9	1332.9	885.1	601.2	448.6	376.9	348.3	338.5	330.4	323.0	322.2
47.5°	1702.4	1406.3	907.1	602.0	446.2	375.2	349.1	341.0	332.0	323.8	323.0
50°	1805.2	1475.6	920.9	599.6	442.9	374.4	349.9	341.8	334.4	324.7	324.7
52.5°	1895.7	1531.1	927.5	593.0	438.9	372.8	349.9	343.4	336.9	326.3	325.5
55°	1975.7	1574.3	926.7	583.2	432.3	370.3	349.1	343.4	338.5	327.1	327.1
57.5°	2044.2	1604.5	919.3	571.8	425.8	368.7	349.1	344.2	340.2	329.5	329.5
60°	2090.7	1621.6	904.6	557.9	419.3	365.4	348.3	345.0	342.6	332.0	332.8
62.5°	2112.7	1619.2	881.8	543.3	411.9	362.2	346.7	344.2	343.4	335.3	335.3
64°	2111.1	1607.8	866.3	532.7	407.0	360.5	345.9	343.4	344.2	336.9	336.9
65°	2100.5	1591.5	850.0	524.5	403.0	358.9	344.2	342.6	344.2	336.9	336.9
67.5°	2049.1	1540.9	808.4	504.1	392.4	351.6	339.3	338.5	341.0	336.1	335.3
70°	1947.1	1460.9	763.5	478.0	379.3	343.4	332.0	331.2	334.4	330.4	328.7
72.5°	1808.4	1350.0	708.9	451.1	363.8	332.0	322.2	321.4	323.0	320.6	318.1
75°	1633.9	1219.5	647.7	420.9	346.7	317.3	308.3	306.7	309.2	305.9	304.3
77.5°	1439.7	1075.1	583.2	389.1	324.7	301.0	292.0	289.6	289.6	285.5	281.4
80°	1226.0	927.5	518.8	356.5	301.8	280.6	273.3	270.0	267.6	261.0	257.0
82.5°	1023.7	788.8	452.7	323.0	277.3	258.6	251.2	247.2	241.5	233.3	227.6
85°	832.8	656.7	392.4	287.1	252.9	234.9	229.2	221.9	214.5	205.6	198.2
87.5°	668.9	537.6	338.5	255.3	225.1	211.3	204.7	195.0	187.6	177.8	171.3
90°	531.0	440.5	289.6	224.3	200.7	188.4	182.7	172.9	162.3	151.7	146.0
92.5°	428.3	358.9	249.6	198.2	179.5	168.9	161.5	151.7	139.5	128.9	124.8
95°	340.2	290.4	212.9	175.4	159.1	149.3	141.9	133.0	119.9	107.7	104.4
97.5°	269.2	239.0	181.9	154.2	141.1	133.0	124.8	116.6	103.6	91.4	89.7
100°	216.2	194.1	155.8	136.2	124.8	117.5	110.9	102.0	89.7	76.7	76.7
102.5°	174.6	160.7	133.8	119.9	110.9	104.4	97.9	89.7	77.5	66.1	65.3
105°	142.8	133.0	115.0	106.0	98.7	93.8	87.3	78.3	66.9	56.3	55.5
107.5°	119.1	110.1	99.5	93.8	88.1	83.2	78.3	69.3	57.9	48.9	48.9



REPORT NUMBER: P415974

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	97.9	94.6	86.5	82.4	79.1	74.2	69.3	60.4	49.8	43.2	43.2
112.5°	83.2	79.9	75.9	73.4	70.2	66.9	61.2	53.0	43.2	38.3	38.3
115°	70.2	68.5	66.1	64.4	62.8	59.5	53.8	45.7	36.7	33.4	34.3
117.5°	61.2	60.4	58.7	57.9	56.3	52.2	47.3	40.0	31.8	30.2	30.2
120°	53.0	53.0	51.4	51.4	49.8	46.5	40.8	34.3	27.7	26.9	26.9
122.5°	46.5	46.5	45.7	45.7	44.0	40.8	35.9	29.4	23.7	23.7	24.5
125°	40.8	40.8	40.0	40.0	39.2	35.9	31.0	25.3	21.2	21.2	21.2
127.5°	35.9	35.9	35.9	35.1	33.4	31.0	26.1	21.2	18.8	18.8	18.8
130°	31.8	31.8	31.0	31.0	29.4	26.1	22.0	17.9	15.5	17.1	17.1
132.5°	27.7	27.7	27.7	26.1	24.5	22.0	17.9	14.7	13.9	14.7	14.7
135°	23.7	24.5	23.7	22.8	21.2	17.9	14.7	12.2	12.2	13.1	13.1
137.5°	20.4	20.4	20.4	18.8	17.1	14.7	11.4	9.8	10.6	11.4	11.4
140°	17.1	17.1	16.3	15.5	13.9	11.4	9.0	7.3	9.0	9.8	9.8
142.5°	13.9	13.9	13.1	12.2	9.8	8.2	5.7	5.7	7.3	8.2	8.2
145°	10.6	10.6	9.8	9.0	7.3	4.9	4.1	4.9	6.5	6.5	6.5
147.5°	7.3	7.3	7.3	5.7	4.1	2.4	1.6	3.3	4.9	4.9	5.7
150°	4.9	4.9	4.9	4.1	2.4	0.8	0.8	2.4	3.3	4.1	4.1
152.5°	3.3	3.3	3.3	2.4	1.6	0.0	0.0	1.6	2.4	2.4	2.4
155°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.8	1.6	1.6	1.6
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.6	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	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)