

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: P415990

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415990  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
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-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7097 lumens  
Efficiency: N/A  
Efficacy: 110.9 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 (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

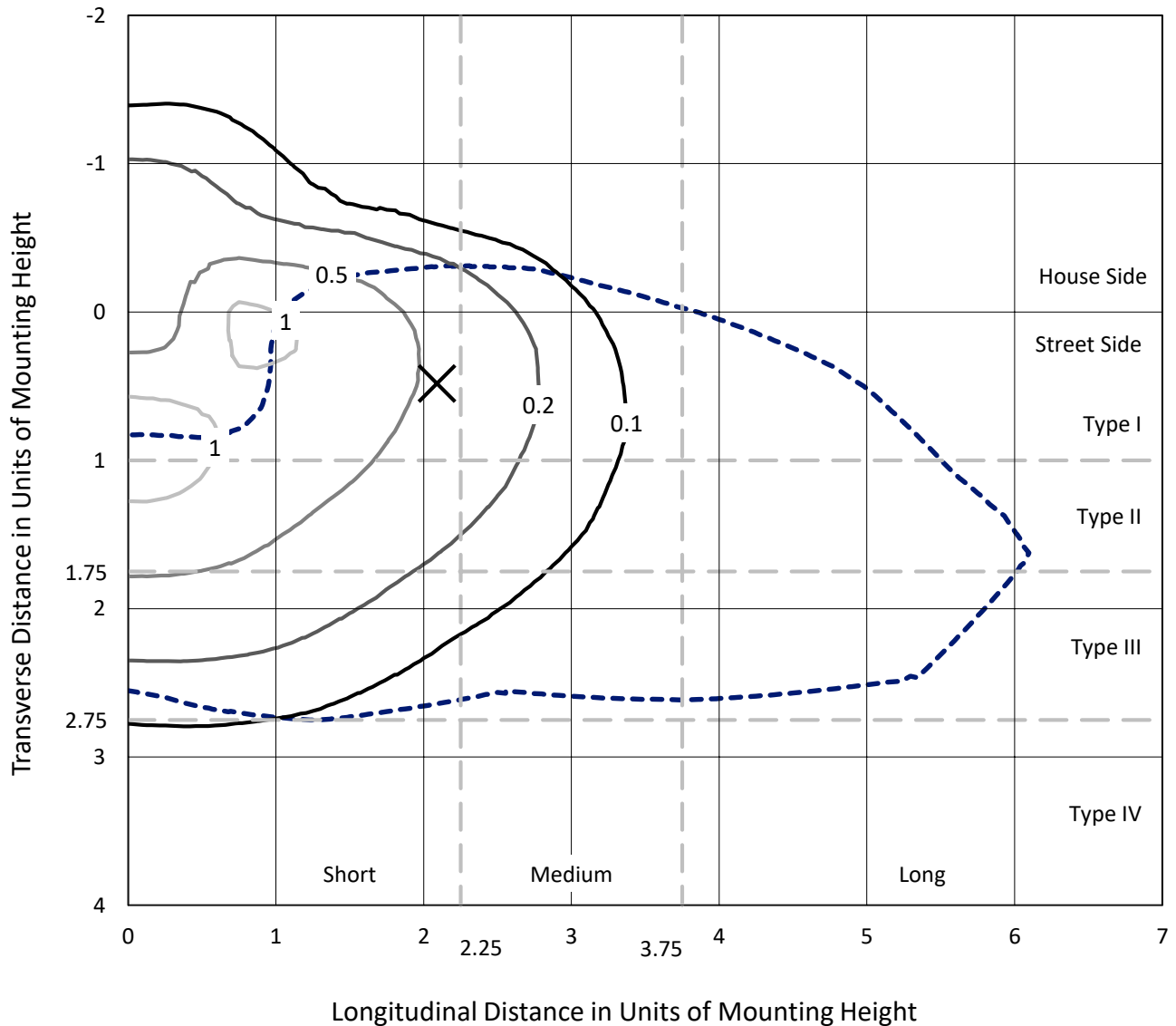


REPORT NUMBER: P415990

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

### Iso-Footcandle Lines of Horizontal Illumination

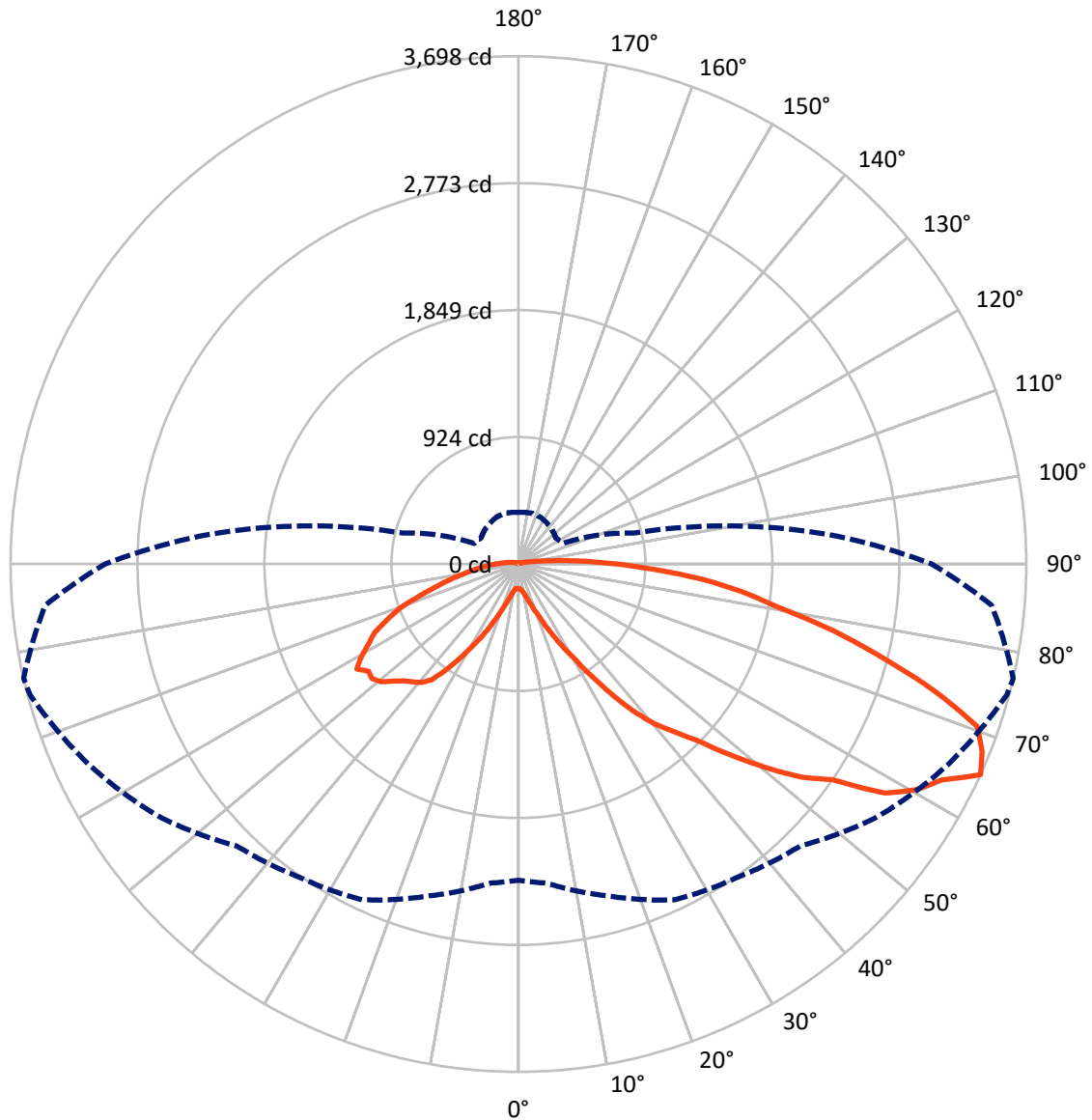
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P415990  
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P415990

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

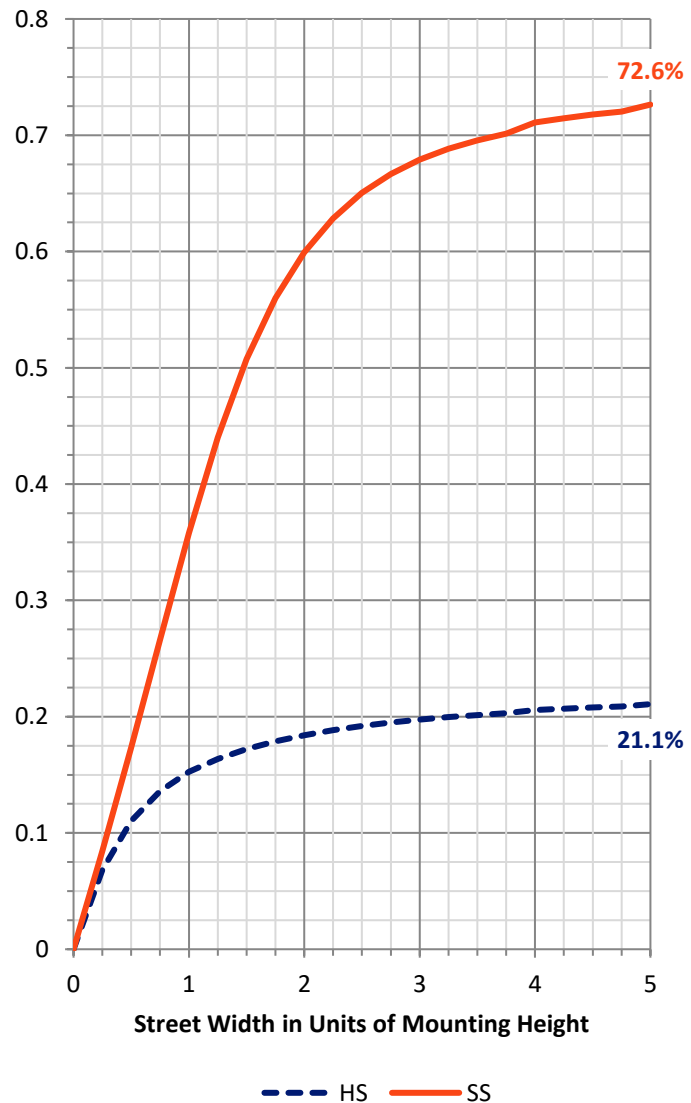
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1563.9	111.2	1675.1
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	5282.9	139.0	5421.9
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	6846.7	250.2	7097.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	77.7	1.1
20°-30°	227.8	3.2
30°-40°	545.3	7.7
40°-50°	981.9	13.8
50°-60°	1493.5	21.0
60°-70°	1761.8	24.8
70°-80°	1214.1	17.1
80°-90°	526.4	7.4
90°-100°	153.7	2.2
100°-110°	48.1	0.7
110°-120°	22.5	0.3
120°-130°	13.2	0.2
130°-140°	8.1	0.1
140°-150°	3.5	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6846.7	96.5
0°-180°	7097.0	100.0



REPORT NUMBER: P415990

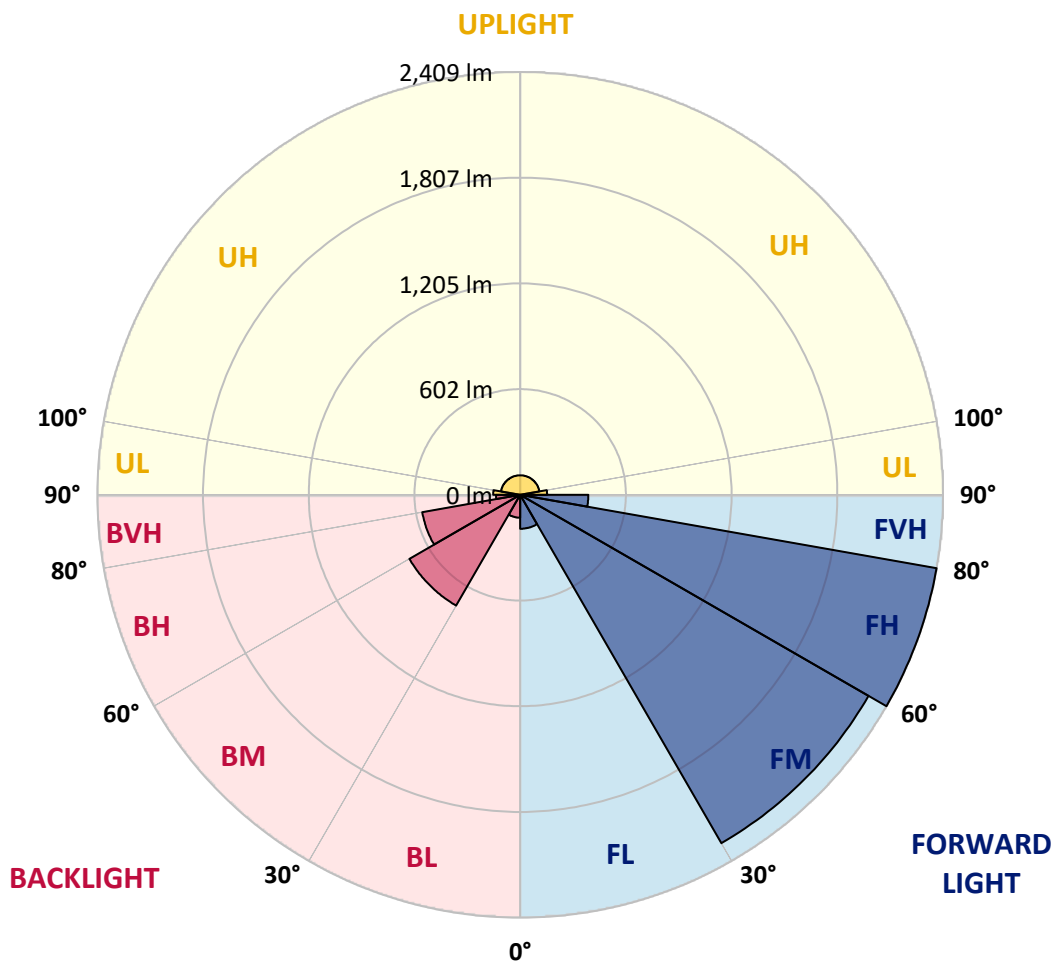
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.4	2.7			
FM	(30°-60°)	2291.8	32.3			
FH	(60°-80°)	2409.3	33.9			G2/5000
FVH	(80°-90°)	388.4	5.5			G3/500
BL	(0°-30°)	130.4	1.8	B1/500		
BM	(30°-60°)	728.9	10.3	B1/1000		
BH	(60°-80°)	566.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	138.0	1.9			G2/225
UL	(90°-100°)	153.7	2.2		U3/500	
UH	(100°-180°)	111.2	1.6		U3/500	

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

Type III Short





REPORT NUMBER: P415990

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7
2.5°	191.7	190.9	190.9	191.7	190.1	188.4	186.0	183.6	181.1	181.1	179.5
5°	207.2	206.4	206.4	206.4	203.1	200.7	195.0	191.7	188.4	186.8	184.4
7.5°	227.6	225.2	226.0	225.2	220.3	215.4	209.7	203.1	199.0	198.2	193.3
10°	254.5	252.9	251.3	248.0	243.1	234.9	226.8	221.1	215.4	214.5	208.8
12.5°	292.9	291.2	288.0	280.6	270.0	260.2	252.1	245.5	242.3	240.7	234.9
15°	339.4	334.5	332.8	321.4	306.7	295.3	286.3	282.3	279.0	279.0	271.7
17.5°	394.0	394.0	385.9	370.4	351.6	337.7	328.8	321.4	323.9	323.0	319.0
20°	461.7	460.1	447.9	427.5	404.6	391.6	380.2	376.1	379.3	382.6	382.6
22.5°	559.6	555.5	536.8	505.8	472.3	451.1	443.0	442.2	455.2	459.3	464.2
25°	669.8	664.0	640.4	602.9	561.3	528.6	517.2	526.2	549.8	558.8	568.6
27.5°	802.7	799.5	763.6	712.2	662.4	620.0	606.9	634.7	666.5	669.8	689.3
30°	974.0	975.7	926.7	852.5	767.6	723.6	708.9	742.4	789.7	792.9	832.1
32.5°	1172.3	1172.3	1098.9	1009.1	899.8	837.8	823.9	877.8	952.0	963.4	1001.0
35°	1425.2	1410.5	1316.7	1187.8	1050.7	958.5	956.9	1040.9	1142.9	1154.3	1195.1
37.5°	1652.0	1660.9	1565.5	1397.4	1212.2	1106.2	1120.1	1226.9	1355.8	1359.1	1403.1
40°	1897.5	1907.3	1794.7	1619.3	1391.7	1272.6	1300.4	1399.9	1528.0	1530.4	1545.9
42.5°	2090.0	2115.3	2010.1	1827.3	1597.3	1461.9	1468.4	1561.4	1660.1	1672.3	1683.0
45°	2205.0	2223.8	2165.9	2019.9	1778.4	1651.1	1635.6	1711.5	1840.4	1837.1	1852.6
47.5°	2386.2	2408.2	2319.3	2186.3	1982.3	1824.9	1805.3	1904.0	2062.3	2078.6	2063.9
50°	2573.8	2603.1	2538.7	2383.7	2173.2	2019.9	2022.3	2134.9	2319.3	2325.0	2333.9
52.5°	2705.1	2726.3	2701.0	2593.4	2369.8	2230.3	2252.4	2387.0	2568.1	2578.7	2542.8
55°	2725.5	2758.1	2778.5	2754.1	2585.2	2447.3	2503.6	2638.2	2760.6	2769.6	2741.8
57.5°	2719.0	2745.9	2789.1	2807.9	2723.1	2670.9	2743.5	2881.3	3117.1	3147.3	3133.4
60°	2711.6	2731.2	2821.0	2848.7	2800.6	2842.2	2958.0	3203.6	3333.3	3335.7	3209.3
62.5°	2507.7	2540.3	2709.2	2848.7	2835.6	2914.8	3168.5	3339.0	3441.8	3460.5	3339.8
65°	2302.9	2331.5	2501.2	2697.0	2783.4	2902.5	3201.1	3452.4	3680.8	3697.9	3458.9
67.5°	2006.8	2051.7	2236.9	2472.6	2578.7	2768.8	3115.5	3492.3	3634.3	3641.6	3368.3
70°	1634.8	1696.0	1904.8	2153.7	2280.9	2473.4	2923.7	3349.6	3547.8	3543.7	3218.2
72.5°	1178.0	1232.6	1423.5	1718.8	1917.9	2128.4	2573.0	3065.7	3178.3	3174.2	2737.8
75°	800.3	829.6	973.2	1243.2	1529.6	1776.8	2216.5	2659.4	2754.9	2747.5	2345.4
77.5°	524.5	558.0	651.0	881.9	1148.6	1433.3	1860.8	2226.3	2376.4	2349.4	1988.1
80°	321.4	340.2	416.9	595.5	870.4	1156.8	1538.6	1883.6	1961.1	1922.0	1623.4
82.5°	200.7	215.4	270.0	393.2	624.9	893.3	1262.0	1585.9	1672.3	1628.3	1335.4
85°	123.2	130.5	168.1	258.6	424.2	656.7	1014.8	1286.5	1339.5	1307.7	1006.7
87.5°	89.7	91.4	115.0	174.6	286.3	469.9	747.3	969.1	1007.5	948.8	705.6
90°	66.1	69.3	84.8	123.2	199.0	319.0	514.8	682.0	691.8	655.9	471.5
92.5°	49.8	51.4	63.6	87.3	137.1	217.8	343.4	456.8	447.9	422.6	292.9
95°	35.9	36.7	45.7	62.0	96.3	146.0	218.6	286.3	257.8	247.2	177.8
97.5°	29.4	30.2	36.7	48.1	71.0	102.8	141.1	170.5	151.7	145.2	114.2
100°	25.3	25.3	31.0	40.0	55.5	76.7	93.8	106.9	97.9	94.6	80.8
102.5°	22.8	22.8	26.9	33.4	45.7	60.4	69.3	73.4	68.5	66.1	59.6
105°	20.4	20.4	23.7	28.6	38.3	48.9	53.0	53.8	48.9	48.1	45.7
107.5°	18.8	18.8	21.2	25.3	32.6	40.8	42.4	40.0	37.5	35.9	35.9
110°	16.3	17.1	18.8	22.0	28.6	34.3	34.3	31.0	27.7	27.7	28.6



REPORT NUMBER: P415990

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.5	15.5	17.1	20.4	25.3	29.4	27.7	24.5	22.0	22.0	23.7
115°	13.9	13.9	15.5	18.8	22.8	25.3	23.7	20.4	17.9	18.8	20.4
117.5°	13.1	13.1	14.7	17.1	20.4	22.0	20.4	17.1	15.5	16.3	18.8
120°	13.1	13.1	14.7	16.3	18.8	19.6	17.9	14.7	13.9	13.9	16.3
122.5°	13.1	13.1	13.9	16.3	17.9	17.9	15.5	13.1	12.2	12.2	14.7
125°	13.1	13.1	14.7	16.3	16.3	16.3	13.9	11.4	10.6	11.4	13.1
127.5°	13.9	13.9	14.7	15.5	15.5	14.7	12.2	10.6	9.8	10.6	12.2
130°	13.9	13.9	14.7	15.5	14.7	13.1	11.4	9.8	9.8	9.8	12.2
132.5°	13.9	13.9	14.7	14.7	13.9	11.4	9.8	8.2	9.0	9.8	11.4
135°	13.1	13.1	13.1	13.1	12.2	10.6	8.2	7.3	8.2	9.0	10.6
137.5°	12.2	12.2	12.2	12.2	10.6	9.0	6.5	5.7	7.3	7.3	9.0
140°	10.6	10.6	11.4	10.6	9.8	7.3	5.7	4.1	5.7	5.7	7.3
142.5°	9.8	9.8	9.8	9.8	8.2	6.5	4.1	4.1	4.9	4.9	5.7
145°	8.2	8.2	9.0	8.2	6.5	4.9	3.3	3.3	4.1	4.1	4.9
147.5°	6.5	7.3	7.3	6.5	5.7	4.1	2.4	2.4	3.3	3.3	4.1
150°	5.7	5.7	5.7	5.7	4.1	2.4	1.6	2.4	3.3	3.3	3.3
152.5°	4.1	4.1	4.9	4.9	3.3	1.6	1.6	2.4	2.4	2.4	3.3
155°	3.3	3.3	4.1	3.3	2.4	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	2.4	2.4	1.6	0.8	0.8	0.8	1.6	1.6	1.6
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: P415990

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7
2.5°	178.7	177.0	176.2	174.6	172.9	171.3	171.3	171.3	170.5	169.7	170.5
5°	181.9	181.1	177.0	173.8	170.5	168.9	167.2	166.4	166.4	164.8	164.8
7.5°	190.9	187.6	181.9	176.2	172.9	169.7	167.2	166.4	165.6	164.0	164.0
10°	204.8	200.7	194.2	185.2	179.5	173.8	171.3	171.3	170.5	169.7	169.7
12.5°	230.9	226.0	214.5	202.3	190.9	182.7	181.1	183.6	188.4	189.3	189.3
15°	269.2	263.5	248.8	229.2	211.3	199.9	201.5	208.0	214.5	217.0	217.0
17.5°	316.5	310.0	288.8	260.2	236.6	226.0	225.2	234.1	243.1	248.0	248.0
20°	380.2	369.5	341.8	301.0	268.4	256.2	251.3	259.4	273.3	279.0	277.4
22.5°	459.3	447.0	407.9	345.9	305.1	283.1	276.5	285.5	302.7	310.0	309.2
25°	563.7	551.5	487.8	402.2	341.0	306.7	302.7	315.7	341.0	355.7	354.0
27.5°	685.3	664.9	580.0	465.0	376.1	326.3	327.1	349.2	375.3	391.6	389.9
30°	815.0	788.9	673.0	525.4	408.7	348.3	346.7	372.8	399.7	416.9	416.9
32.5°	986.3	947.9	780.7	583.3	434.0	365.5	359.8	389.1	416.9	434.8	434.0
35°	1169.8	1118.4	893.3	644.5	455.2	374.4	367.9	398.1	426.7	447.9	447.9
37.5°	1380.3	1293.0	998.5	686.9	469.9	379.3	370.4	404.6	439.7	461.7	460.1
40°	1491.2	1393.3	1049.1	705.6	472.3	380.2	374.4	410.3	439.7	447.9	443.8
42.5°	1615.2	1488.8	1070.3	682.8	463.4	378.5	376.9	404.6	417.7	415.2	412.8
45°	1771.9	1601.4	1090.7	654.3	442.2	376.1	372.8	389.1	389.9	380.2	376.9
47.5°	1971.7	1756.4	1124.1	620.0	420.9	370.4	366.3	373.6	359.8	341.8	336.1
50°	2186.3	1935.8	1165.7	590.6	401.4	363.0	358.9	356.5	342.6	324.7	321.4
52.5°	2373.1	2057.4	1177.2	559.6	388.3	358.1	353.2	350.8	337.7	317.3	313.3
55°	2540.3	2161.0	1137.2	513.1	377.7	354.9	353.2	353.2	339.4	318.2	314.1
57.5°	2870.7	2409.0	1151.9	465.8	363.8	354.0	356.5	357.3	344.3	323.9	319.8
60°	2880.5	2361.7	1066.2	432.4	351.6	354.0	359.8	361.4	352.4	338.5	336.1
62.5°	2974.3	2363.3	951.2	389.1	343.4	352.4	362.2	367.9	368.7	360.6	358.9
65°	3008.6	2329.0	868.0	354.9	332.0	348.3	363.0	376.9	381.8	377.7	376.1
67.5°	2877.2	2171.6	754.6	332.0	320.6	341.8	362.2	379.3	389.9	392.4	392.4
70°	2704.3	1994.6	653.4	310.0	308.4	332.8	356.5	379.3	394.0	400.5	400.5
72.5°	2265.4	1638.1	539.2	287.2	292.0	319.0	344.3	372.0	388.3	394.0	391.6
75°	1895.1	1348.5	443.8	267.6	275.7	301.8	327.1	354.0	365.5	368.7	366.3
77.5°	1603.0	1121.7	364.7	249.6	256.2	279.8	302.7	321.4	328.8	327.1	323.0
80°	1292.2	875.3	299.4	227.6	234.1	252.9	269.2	283.9	291.2	287.2	284.7
82.5°	1028.7	695.9	255.3	208.0	210.5	226.0	237.4	248.8	261.0	257.8	251.3
85°	761.1	512.3	217.0	186.8	186.8	198.2	203.9	214.5	231.7	230.9	228.4
87.5°	520.5	364.7	184.4	165.6	164.8	171.3	174.6	186.0	208.0	208.8	206.4
90°	342.6	249.6	154.2	143.6	141.9	146.8	149.3	159.1	177.0	178.7	175.4
92.5°	222.7	172.9	126.4	121.6	120.7	124.8	124.0	130.5	142.8	141.9	139.5
95°	142.8	120.7	102.8	100.3	97.9	102.8	101.2	102.8	109.3	107.7	107.7
97.5°	98.7	92.2	84.8	80.8	79.1	84.0	82.4	82.4	85.7	82.4	80.8
100°	75.9	73.4	70.2	66.9	63.6	67.7	67.7	67.7	70.2	65.3	63.6
102.5°	58.7	57.9	57.9	55.5	53.0	56.3	57.1	57.9	57.1	52.2	51.4
105°	46.5	46.5	48.1	45.7	44.9	47.3	48.1	47.3	47.3	43.2	43.2
107.5°	36.7	38.3	40.0	38.3	38.3	40.0	40.0	40.0	38.3	35.9	36.7
110°	30.2	31.8	34.3	32.6	32.6	34.3	33.4	32.6	31.8	31.0	31.0



REPORT NUMBER: P415990

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	26.9	28.6	27.7	28.6	29.4	28.6	26.9	26.9	26.9	27.7
115°	22.0	23.7	25.3	24.5	24.5	25.3	23.7	22.8	22.8	23.7	23.7
117.5°	19.6	21.2	22.0	22.0	21.2	22.0	20.4	19.6	20.4	21.2	21.2
120°	17.9	18.8	19.6	19.6	18.8	18.8	17.9	17.1	17.9	18.8	19.6
122.5°	16.3	17.1	17.1	17.9	17.1	16.3	15.5	15.5	16.3	17.1	17.1
125°	14.7	15.5	15.5	15.5	15.5	14.7	13.9	13.9	14.7	15.5	16.3
127.5°	13.1	13.9	13.9	14.7	13.9	13.1	12.2	13.1	13.9	14.7	14.7
130°	13.1	13.1	13.1	13.1	12.2	11.4	11.4	11.4	13.1	13.9	13.9
132.5°	12.2	13.1	12.2	12.2	11.4	9.8	9.8	10.6	12.2	13.1	13.1
135°	11.4	11.4	10.6	10.6	9.8	9.0	8.2	9.8	10.6	11.4	11.4
137.5°	9.8	9.8	9.0	8.2	8.2	7.3	7.3	8.2	9.8	10.6	10.6
140°	7.3	8.2	7.3	6.5	6.5	5.7	6.5	7.3	9.0	9.0	9.0
142.5°	5.7	6.5	5.7	4.9	4.9	4.9	4.9	6.5	8.2	8.2	8.2
145°	4.9	4.9	4.9	4.1	3.3	3.3	4.1	5.7	7.3	7.3	7.3
147.5°	4.1	4.1	4.1	3.3	2.4	2.4	3.3	4.9	5.7	5.7	5.7
150°	3.3	3.3	3.3	3.3	2.4	1.6	2.4	4.1	4.9	4.9	4.9
152.5°	3.3	3.3	3.3	2.4	1.6	0.8	1.6	3.3	4.1	4.1	4.1
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	3.3	3.3	3.3
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.3	2.4	2.4
160°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	1.6	1.6
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)