

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: P695709

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695709  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-750-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6644 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

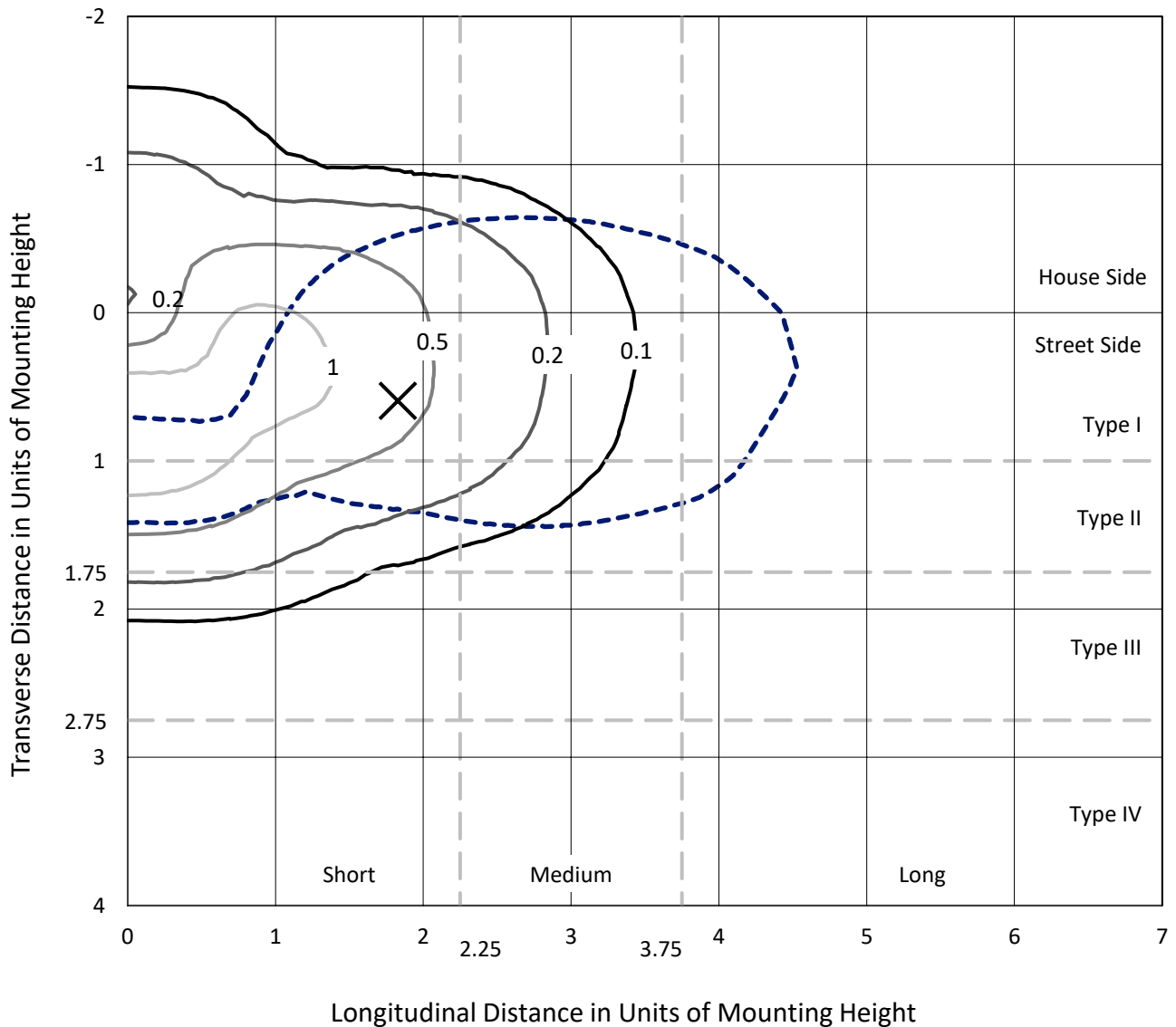
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695709  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

### Iso-Footcandle Lines of Horizontal Illumination

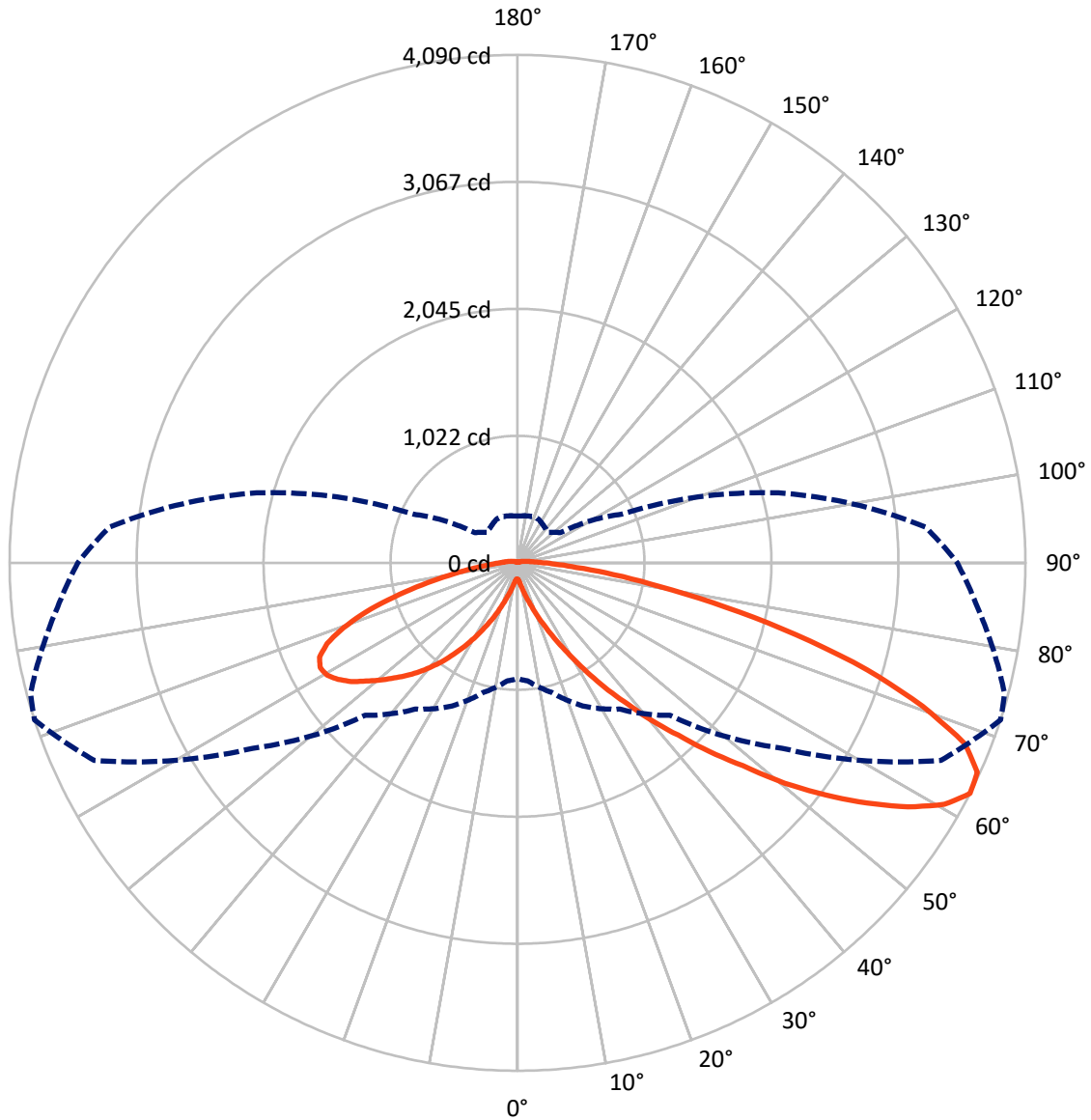
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P695709  
CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P695709  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

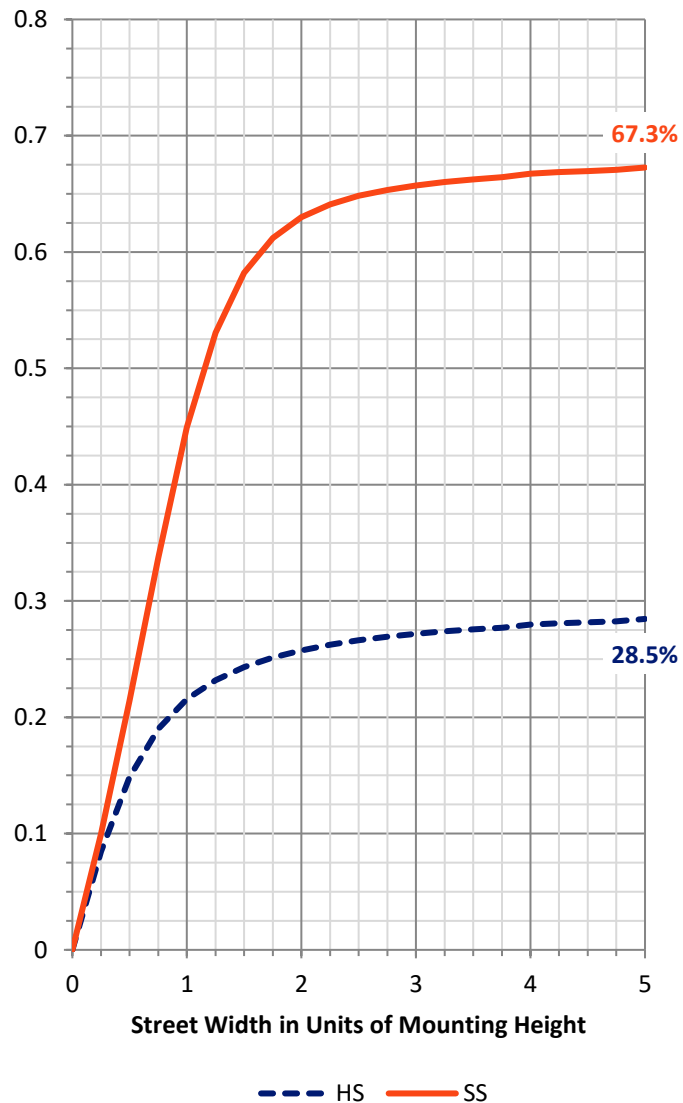
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1948.0	99.1	2047.1
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	4516.5	80.3	4596.9
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	6464.5	179.4	6644.0
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.4	0.2
10°-20°	83.9	1.3
20°-30°	276.9	4.2
30°-40°	661.5	10.0
40°-50°	1176.2	17.7
50°-60°	1555.2	23.4
60°-70°	1494.1	22.5
70°-80°	907.0	13.7
80°-90°	294.3	4.4
90°-100°	90.4	1.4
100°-110°	42.3	0.6
110°-120°	21.9	0.3
120°-130°	12.9	0.2
130°-140°	7.8	0.1
140°-150°	3.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6464.5	97.3
0°-180°	6644.0	100.0

**Coefficient of Utilization**

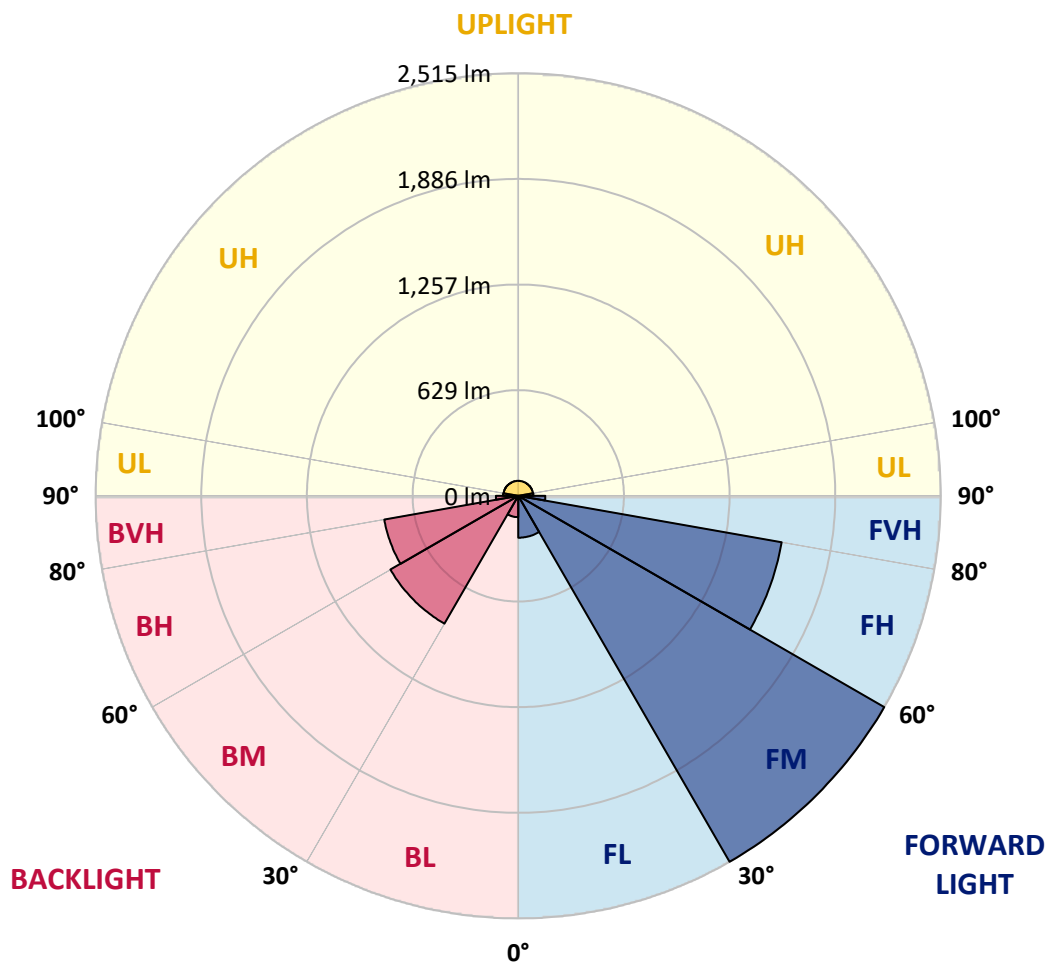


REPORT NUMBER: P695709  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.2	3.8			
FM (30°-60°)	2514.7	37.8			
FH (60°-80°)	1591.7	24.0			G1/1800
FVH (80°-90°)	161.0	2.4			G2/225
BL (0°-30°)	127.1	1.9	B1/500		
BM (30°-60°)	878.2	13.2	B1/1000		
BH (60°-80°)	809.5	12.2	B2/1000		G2/1000
BVH (80°-90°)	133.3	2.0			G2/225
UL (90°-100°)	90.4	1.4		U3/500	
UH (100°-180°)	89.0	1.3		U3/500	

**BUG Rating: B2-U3-G2**  
 Type II Short



REPORT NUMBER: P695709  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7
2.5°	146.6	149.0	146.6	149.0	146.6	144.3	144.3	139.7	139.7	137.3	135.0
5°	174.6	176.9	176.9	174.6	169.9	167.6	160.6	158.3	153.6	151.3	146.6
7.5°	214.2	211.8	214.2	207.2	204.8	200.2	190.9	183.9	176.9	174.6	167.6
10°	265.4	263.0	260.7	256.1	249.1	239.8	230.4	216.5	211.8	209.5	197.9
12.5°	325.9	330.5	323.6	316.6	304.9	293.3	277.0	260.7	253.7	251.4	232.8
15°	414.3	414.3	405.0	393.4	370.1	351.5	335.2	318.9	307.3	302.6	286.3
17.5°	526.1	519.1	507.5	479.5	458.6	428.3	409.7	384.1	372.4	370.1	349.2
20°	649.4	654.1	628.5	593.6	554.0	516.8	488.8	463.2	451.6	449.3	423.7
22.5°	812.4	812.4	777.5	730.9	665.7	614.5	581.9	556.3	540.0	530.7	514.4
25°	1000.9	1000.9	961.4	870.6	800.8	730.9	684.4	656.4	649.4	640.1	616.9
27.5°	1226.7	1233.7	1159.2	1068.4	940.4	856.6	800.8	784.5	770.5	775.1	728.6
30°	1487.4	1475.8	1396.7	1257.0	1110.3	1000.9	945.1	921.8	912.5	914.8	872.9
32.5°	1736.5	1717.9	1645.7	1485.1	1289.6	1166.2	1103.4	1084.7	1077.8	1068.4	1017.2
35°	2025.2	2008.9	1906.4	1710.9	1494.4	1333.8	1259.3	1259.3	1259.3	1247.7	1173.2
37.5°	2304.5	2274.2	2162.5	1948.3	1696.9	1515.4	1452.5	1461.8	1447.9	1431.6	1347.8
40°	2528.0	2507.0	2399.9	2181.1	1904.1	1713.2	1652.7	1666.7	1673.7	1650.4	1534.0
42.5°	2686.3	2676.9	2590.8	2386.0	2090.3	1908.8	1885.5	1901.8	1897.1	1871.5	1743.5
45°	2763.1	2753.8	2697.9	2530.3	2271.9	2102.0	2104.3	2176.5	2164.8	2136.9	1953.0
47.5°	2721.2	2732.8	2711.9	2607.1	2386.0	2264.9	2330.1	2458.1	2441.8	2416.2	2190.4
50°	2595.5	2590.8	2623.4	2586.2	2430.2	2374.3	2551.2	2784.0	2788.7	2721.2	2462.8
52.5°	2332.4	2344.1	2437.2	2458.1	2393.0	2416.2	2737.5	3098.3	3107.6	3026.1	2723.5
55°	2020.5	2018.2	2139.2	2246.3	2251.0	2369.7	2844.5	3368.3	3414.8	3354.3	3002.8
57.5°	1606.2	1648.1	1773.8	1943.7	2027.5	2227.7	2881.8	3610.4	3708.1	3624.3	3254.2
60°	1243.0	1275.6	1426.9	1610.8	1745.8	2011.2	2788.7	3743.1	3950.2	3892.0	3524.3
62.5°	933.4	954.4	1082.4	1275.6	1438.6	1736.5	2602.5	3761.7	4089.9	4059.6	3703.5
65°	686.7	698.3	821.7	989.3	1149.9	1408.3	2267.3	3603.4	4069.0	4089.9	3826.9
67.5°	498.1	516.8	607.5	756.5	893.9	1129.0	1901.8	3263.5	3885.1	3945.6	3782.6
70°	393.4	402.7	465.6	581.9	682.0	861.3	1534.0	2795.7	3461.4	3598.7	3561.5
72.5°	316.6	321.2	370.1	458.6	523.7	654.1	1159.2	2260.3	2944.6	3102.9	3189.1
75°	260.7	265.4	304.9	365.5	416.7	488.8	849.6	1710.9	2313.8	2486.1	2672.3
77.5°	207.2	216.5	246.7	293.3	330.5	372.4	595.9	1236.0	1710.9	1845.9	2062.4
80°	165.3	169.9	197.9	235.1	263.0	293.3	437.6	819.4	1156.9	1324.5	1487.4
82.5°	125.7	130.4	151.3	181.6	204.8	225.8	311.9	540.0	777.5	861.3	952.1
85°	90.8	90.8	111.7	137.3	158.3	179.2	228.1	351.5	474.9	523.7	586.6
87.5°	60.5	62.8	76.8	100.1	123.4	139.7	167.6	230.4	302.6	318.9	360.8
90°	41.9	44.2	53.5	72.2	93.1	109.4	125.7	158.3	190.9	207.2	237.4
92.5°	30.3	32.6	41.9	53.5	72.2	88.5	100.1	114.1	135.0	146.6	162.9
95°	23.3	25.6	32.6	44.2	58.2	72.2	81.5	88.5	102.4	109.4	121.0
97.5°	20.9	20.9	27.9	37.2	48.9	60.5	67.5	72.2	81.5	86.1	95.4
100°	18.6	18.6	23.3	32.6	41.9	51.2	55.9	58.2	65.2	67.5	74.5
102.5°	16.3	16.3	20.9	27.9	37.2	44.2	48.9	48.9	53.5	53.5	58.2
105°	14.0	14.0	18.6	25.6	32.6	39.6	41.9	41.9	41.9	44.2	44.2
107.5°	14.0	14.0	16.3	23.3	27.9	34.9	37.2	34.9	34.9	34.9	34.9
110°	11.6	11.6	16.3	20.9	25.6	30.3	30.3	30.3	27.9	27.9	27.9

REPORT NUMBER: P695709  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.6	11.6	14.0	18.6	23.3	25.6	27.9	25.6	23.3	23.3	23.3
115°	11.6	11.6	14.0	16.3	20.9	23.3	23.3	20.9	18.6	18.6	18.6
117.5°	9.3	11.6	11.6	16.3	18.6	20.9	20.9	18.6	16.3	16.3	16.3
120°	9.3	9.3	11.6	14.0	16.3	18.6	18.6	16.3	14.0	14.0	16.3
122.5°	9.3	9.3	11.6	14.0	16.3	16.3	16.3	14.0	14.0	14.0	14.0
125°	9.3	9.3	9.3	11.6	14.0	16.3	14.0	14.0	11.6	11.6	14.0
127.5°	9.3	9.3	9.3	11.6	14.0	14.0	14.0	11.6	11.6	11.6	11.6
130°	9.3	9.3	9.3	9.3	11.6	11.6	11.6	11.6	9.3	9.3	11.6
132.5°	9.3	9.3	9.3	9.3	11.6	11.6	11.6	9.3	9.3	9.3	9.3
135°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	7.0	9.3	9.3
137.5°	9.3	9.3	7.0	9.3	9.3	9.3	9.3	7.0	7.0	7.0	9.3
140°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
142.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.7	4.7	7.0	7.0
145°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
150°	4.7	4.7	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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



REPORT NUMBER: P695709  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7
2.5°	135.0	132.7	130.4	128.0	128.0	125.7	125.7	123.4	123.4	123.4	123.4
5°	144.3	142.0	137.3	132.7	128.0	125.7	121.0	118.7	118.7	116.4	116.4
7.5°	165.3	158.3	151.3	144.3	137.3	130.4	125.7	121.0	118.7	118.7	118.7
10°	190.9	186.2	172.3	162.9	153.6	144.3	137.3	130.4	125.7	125.7	123.4
12.5°	230.4	223.5	204.8	193.2	176.9	162.9	153.6	144.3	139.7	137.3	137.3
15°	277.0	267.7	251.4	228.1	207.2	188.5	174.6	167.6	162.9	160.6	160.6
17.5°	339.9	325.9	300.3	272.3	244.4	218.8	204.8	193.2	186.2	188.5	188.5
20°	414.3	398.0	363.1	325.9	286.3	258.4	235.1	223.5	218.8	218.8	218.8
22.5°	495.8	477.2	439.9	388.7	337.5	298.0	267.7	253.7	253.7	253.7	253.7
25°	602.9	570.3	523.7	456.2	388.7	332.9	300.3	288.6	288.6	291.0	293.3
27.5°	705.3	684.4	614.5	528.4	442.3	370.1	328.2	316.6	323.6	328.2	330.5
30°	835.7	798.4	714.6	602.9	491.2	400.4	353.8	344.5	356.1	363.1	365.5
32.5°	980.0	928.8	821.7	684.4	535.4	423.7	372.4	367.8	379.4	391.1	391.1
35°	1126.6	1066.1	931.1	763.5	570.3	437.6	384.1	384.1	398.0	409.7	409.7
37.5°	1287.3	1205.8	1049.8	831.0	598.2	444.6	391.1	393.4	409.7	416.7	419.0
40°	1457.2	1364.1	1161.6	893.9	612.2	442.3	393.4	400.4	412.0	419.0	419.0
42.5°	1634.1	1529.3	1282.6	940.4	614.5	437.6	391.1	400.4	412.0	414.3	414.3
45°	1834.3	1710.9	1399.0	975.3	605.2	428.3	388.7	400.4	407.4	405.0	405.0
47.5°	2055.4	1904.1	1510.7	1003.3	586.6	416.7	386.4	400.4	402.7	398.0	395.7
50°	2304.5	2118.3	1641.1	1014.9	565.6	405.0	384.1	398.0	398.0	388.7	388.7
52.5°	2562.9	2365.0	1773.8	1017.2	540.0	393.4	384.1	398.0	395.7	381.8	381.8
55°	2800.3	2607.1	1915.8	1014.9	512.1	379.4	379.4	398.0	393.4	379.4	379.4
57.5°	3105.3	2865.5	2034.5	996.3	481.8	370.1	377.1	398.0	391.1	377.1	377.1
60°	3333.4	3102.9	2127.6	970.7	453.9	356.1	372.4	395.7	388.7	377.1	377.1
62.5°	3540.5	3298.5	2174.1	926.5	421.3	344.5	365.5	391.1	388.7	379.4	377.1
65°	3645.3	3382.3	2155.5	858.9	391.1	330.5	358.5	386.4	384.1	377.1	377.1
67.5°	3619.7	3349.7	2050.8	772.8	360.8	316.6	346.8	372.4	374.8	372.4	372.4
70°	3431.1	3133.2	1852.9	665.7	332.9	298.0	332.9	358.5	360.8	360.8	363.1
72.5°	3063.4	2767.7	1596.9	565.6	302.6	279.3	311.9	337.5	342.2	344.5	342.2
75°	2574.5	2274.2	1277.9	467.9	274.7	258.4	288.6	311.9	318.9	318.9	318.9
77.5°	1980.9	1738.8	963.7	374.8	246.7	235.1	263.0	284.0	288.6	291.0	288.6
80°	1406.0	1226.7	679.7	302.6	218.8	211.8	232.8	249.1	253.7	258.4	256.1
82.5°	917.1	819.4	477.2	239.8	188.5	183.9	202.5	214.2	218.8	218.8	216.5
85°	556.3	509.8	314.2	190.9	160.6	156.0	169.9	176.9	179.2	179.2	179.2
87.5°	346.8	314.2	221.1	153.6	135.0	132.7	139.7	142.0	149.0	146.6	144.3
90°	223.5	209.5	162.9	121.0	109.4	109.4	114.1	114.1	118.7	118.7	114.1
92.5°	160.6	153.6	125.7	100.1	90.8	93.1	95.4	93.1	95.4	95.4	95.4
95°	123.4	118.7	104.7	86.1	76.8	79.1	76.8	76.8	79.1	79.1	76.8
97.5°	97.8	97.8	86.1	72.2	67.5	65.2	67.5	65.2	67.5	65.2	62.8
100°	76.8	76.8	72.2	62.8	58.2	55.9	58.2	55.9	58.2	55.9	53.5
102.5°	60.5	62.8	60.5	53.5	51.2	48.9	48.9	48.9	48.9	46.6	46.6
105°	46.6	48.9	51.2	46.6	44.2	41.9	41.9	41.9	41.9	39.6	37.2
107.5°	37.2	39.6	41.9	39.6	39.6	37.2	37.2	37.2	34.9	32.6	32.6
110°	30.3	32.6	34.9	34.9	32.6	32.6	32.6	32.6	30.3	27.9	27.9

REPORT NUMBER: P695709  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.6	25.6	27.9	30.3	30.3	30.3	30.3	27.9	25.6	25.6	25.6
115°	20.9	23.3	25.6	25.6	25.6	25.6	25.6	23.3	23.3	20.9	20.9
117.5°	18.6	18.6	20.9	23.3	23.3	23.3	23.3	20.9	18.6	18.6	20.9
120°	16.3	16.3	18.6	20.9	20.9	20.9	20.9	18.6	16.3	18.6	18.6
122.5°	16.3	16.3	16.3	18.6	18.6	18.6	18.6	16.3	16.3	16.3	16.3
125°	14.0	14.0	16.3	16.3	16.3	16.3	16.3	14.0	14.0	16.3	16.3
127.5°	14.0	14.0	14.0	14.0	16.3	16.3	14.0	14.0	14.0	14.0	14.0
130°	11.6	11.6	14.0	14.0	14.0	14.0	14.0	11.6	11.6	14.0	14.0
132.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
135°	9.3	9.3	11.6	11.6	11.6	11.6	11.6	9.3	11.6	11.6	11.6
137.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	11.6	11.6
140°	7.0	7.0	7.0	9.3	9.3	9.3	9.3	7.0	9.3	9.3	9.3
142.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3
145°	4.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)