

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: P695703

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T2R-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)  
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-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6166 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short  
BUG Rating: B2 - U3 - G3

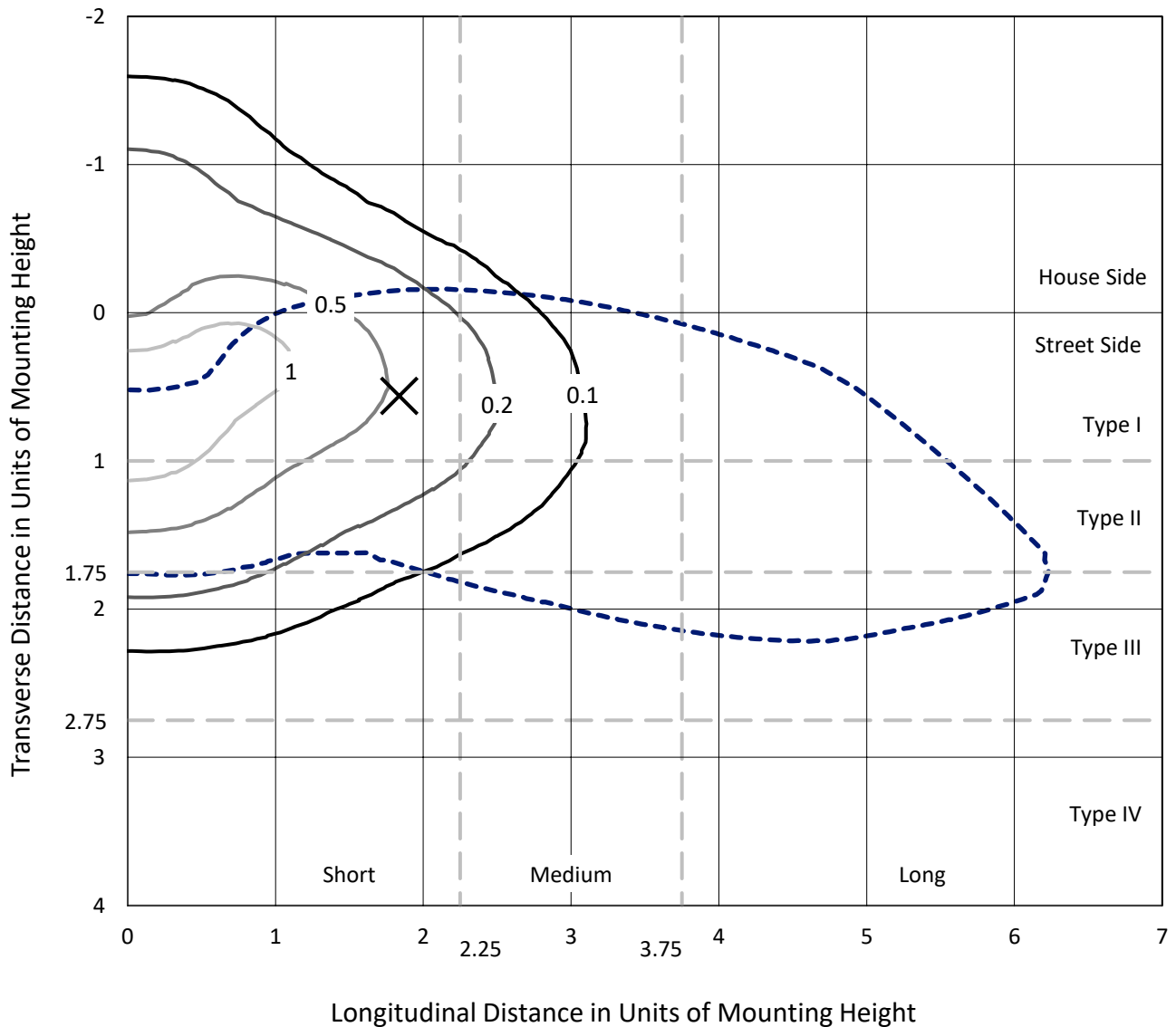
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695703  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

### Iso-Footcandle Lines of Horizontal Illumination

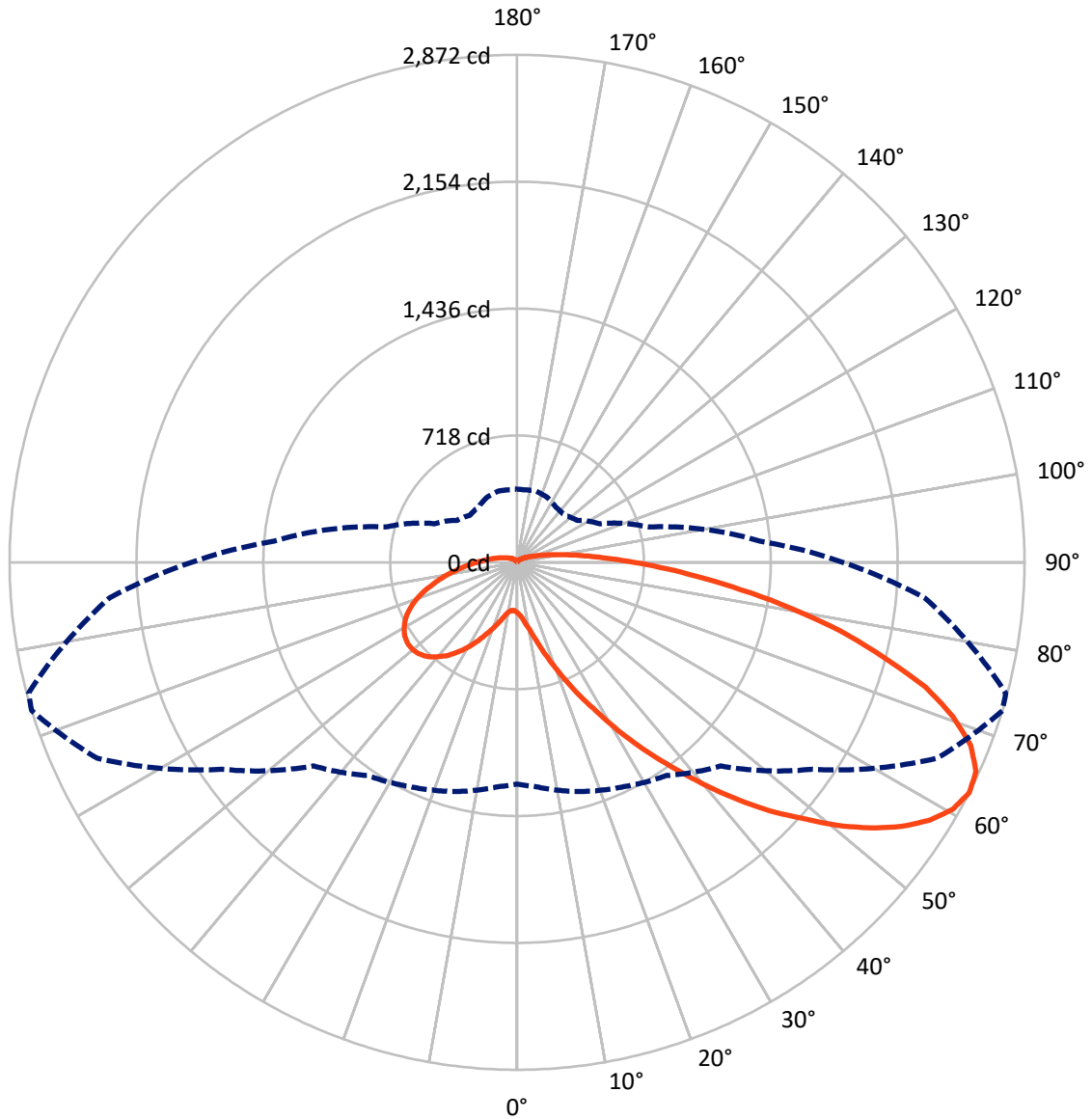
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P695703  
CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P695703  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

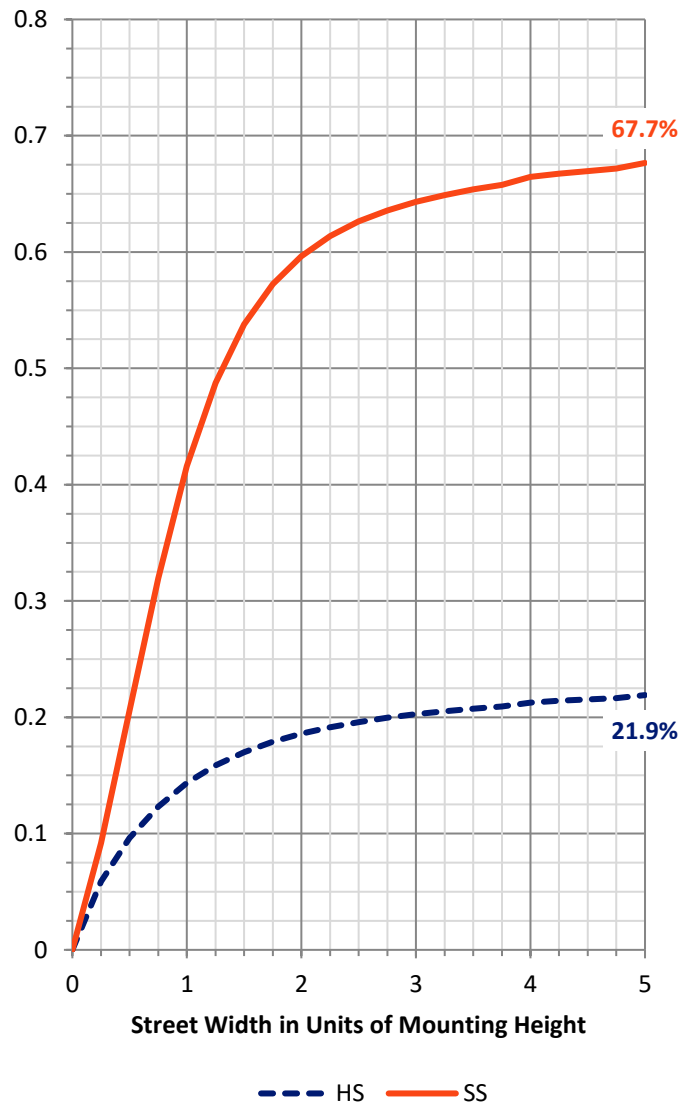
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1426.3	186.5	1612.8
	% Fixture	23.1	3.0	26.2
<b>Street Side</b>	Lumens	4292.6	260.6	4553.2
	% Fixture	69.6	4.2	73.8
<b>Total</b>	Lumens	5718.9	447.1	6166.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.9	0.5
10°-20°	125.6	2.0
20°-30°	324.2	5.3
30°-40°	634.8	10.3
40°-50°	969.7	15.7
50°-60°	1181.2	19.2
60°-70°	1142.2	18.5
70°-80°	843.6	13.7
80°-90°	467.7	7.6
90°-100°	222.1	3.6
100°-110°	109.4	1.8
110°-120°	58.8	1.0
120°-130°	32.7	0.5
130°-140°	17.0	0.3
140°-150°	6.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5718.9	92.7
0°-180°	6166.0	100.0

**Coefficient of Utilization**



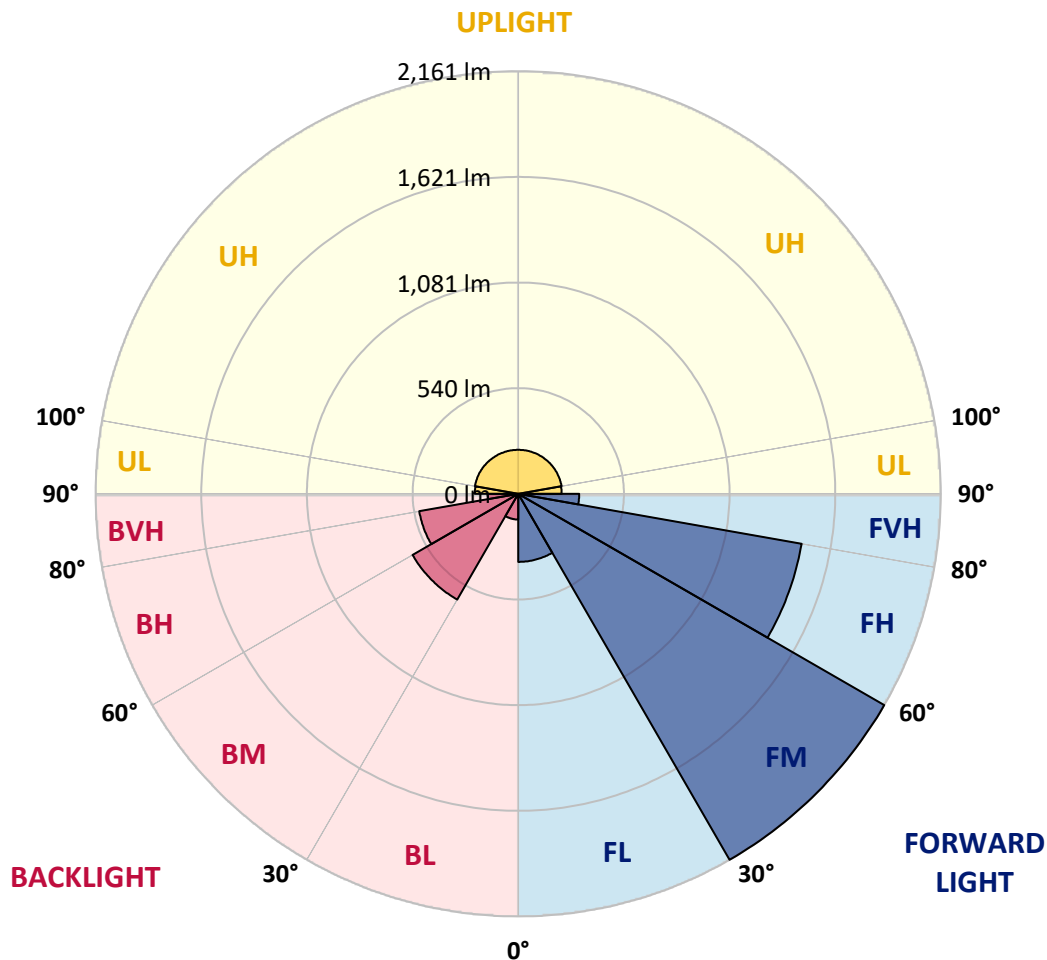
REPORT NUMBER: P695703  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	348.2	5.6			
FM (30°-60°)	2161.1	35.0			
FH (60°-80°)	1471.8	23.9			G1/1800
FVH (80°-90°)	311.5	5.1			G3/500
BL (0°-30°)	131.5	2.1	B1/500		
BM (30°-60°)	624.6	10.1	B1/1000		
BH (60°-80°)	514.1	8.3	B2/1000		G2/1000
BVH (80°-90°)	156.1	2.5			G2/225
UL (90°-100°)	222.1	3.6		U3/500	
UH (100°-180°)	224.9	3.6		U3/500	

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

Type III Short



REPORT NUMBER: P695703  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3
2.5°	323.6	321.2	323.6	321.2	316.6	311.9	307.3	300.3	297.9	295.6	288.6
5°	377.1	379.4	377.1	367.8	363.1	353.8	344.5	330.5	318.9	316.6	302.6
7.5°	442.3	439.9	437.6	430.6	419.0	402.7	386.4	367.8	351.5	346.8	323.6
10°	519.1	512.1	514.4	498.1	484.2	463.2	442.3	414.3	386.4	381.7	351.5
12.5°	607.5	605.2	600.6	579.6	558.7	535.4	502.8	467.9	437.6	428.3	391.1
15°	714.6	705.3	700.6	677.4	649.4	619.2	579.6	537.7	500.5	493.5	439.9
17.5°	833.3	821.7	807.7	777.5	749.5	710.0	663.4	616.8	572.6	563.3	495.8
20°	956.7	952.0	935.7	898.5	856.6	814.7	763.5	707.6	651.8	640.1	563.3
22.5°	1105.7	1101.0	1073.1	1026.5	975.3	926.4	868.2	807.7	744.9	726.2	635.5
25°	1268.6	1254.6	1222.0	1163.9	1105.7	1038.2	980.0	914.8	847.3	824.0	719.3
27.5°	1433.9	1422.2	1378.0	1312.8	1233.7	1159.2	1094.0	1031.2	952.0	940.4	805.4
30°	1596.8	1596.8	1538.6	1464.1	1359.4	1275.6	1212.7	1154.5	1082.4	1066.1	910.1
32.5°	1759.8	1755.1	1706.2	1606.1	1489.7	1392.0	1331.5	1282.6	1217.4	1187.1	1024.2
35°	1911.1	1908.7	1843.5	1736.5	1608.5	1506.0	1454.8	1422.2	1357.1	1331.5	1138.3
37.5°	2050.7	2041.4	1969.2	1859.8	1703.9	1603.8	1573.5	1571.2	1506.0	1473.4	1259.3
40°	2146.2	2139.2	2076.3	1953.0	1792.3	1694.6	1692.2	1717.9	1671.3	1636.4	1385.0
42.5°	2204.3	2195.0	2143.8	2022.8	1862.2	1771.4	1799.3	1864.5	1838.9	1799.3	1513.0
45°	2218.3	2211.3	2169.4	2057.7	1908.7	1834.2	1894.8	2011.1	2006.5	1969.2	1638.7
47.5°	2183.4	2183.4	2155.5	2062.4	1927.3	1876.1	1987.9	2153.1	2162.4	2143.8	1771.4
50°	2115.9	2111.2	2104.3	2029.8	1920.4	1899.4	2060.0	2297.5	2339.4	2311.4	1908.7
52.5°	2001.8	1999.5	2006.5	1964.6	1885.4	1897.1	2111.2	2420.8	2497.6	2472.0	2025.1
55°	1850.5	1845.9	1876.1	1864.5	1817.9	1869.2	2136.8	2520.9	2639.6	2616.4	2139.2
57.5°	1669.0	1659.7	1717.9	1738.8	1724.8	1815.6	2136.8	2590.7	2753.7	2732.7	2227.6
60°	1459.5	1466.5	1527.0	1585.2	1601.5	1734.1	2101.9	2625.7	2835.2	2821.2	2285.8
62.5°	1254.6	1275.6	1343.1	1403.6	1473.4	1629.4	2041.4	2623.3	2872.4	2863.1	2316.1
65°	1059.1	1082.4	1149.9	1233.7	1319.8	1506.0	1948.3	2567.5	2853.8	2849.1	2302.1
67.5°	877.5	893.8	963.7	1061.4	1163.9	1368.7	1817.9	2462.7	2770.0	2772.3	2236.9
70°	721.6	730.9	805.4	903.2	1007.9	1215.1	1662.0	2297.5	2616.4	2623.3	2113.6
72.5°	593.6	609.9	665.7	756.5	868.2	1075.4	1496.7	2097.3	2418.5	2416.2	1948.3
75°	484.2	493.5	551.7	633.1	730.9	926.4	1317.5	1857.5	2139.2	2157.8	1734.1
77.5°	391.1	398.0	456.2	528.4	623.8	796.1	1133.6	1608.5	1871.5	1866.8	1508.4
80°	316.6	325.9	374.8	439.9	526.1	677.4	959.0	1347.7	1568.9	1573.5	1254.6
82.5°	253.7	263.0	307.3	365.5	449.2	568.0	805.4	1128.9	1277.9	1277.9	1035.8
85°	202.5	211.8	253.7	304.9	372.4	481.8	661.1	903.2	1019.5	1026.5	838.0
87.5°	165.3	169.9	207.2	256.0	314.2	405.0	544.7	714.6	807.7	798.4	658.7
90°	132.7	137.3	169.9	211.8	265.4	339.8	444.6	577.3	626.2	623.8	514.4
92.5°	109.4	111.7	142.0	181.6	225.8	286.3	365.5	449.2	486.5	484.2	407.3
95°	90.8	93.1	121.0	153.6	193.2	242.1	297.9	360.8	384.1	379.4	318.9
97.5°	76.8	76.8	102.4	132.7	167.6	204.8	249.1	288.6	300.3	297.9	256.0
100°	65.2	65.2	86.1	116.4	146.6	176.9	207.2	230.4	235.1	237.4	202.5
102.5°	55.9	58.2	76.8	102.4	125.7	151.3	172.3	188.5	188.5	186.2	160.6
105°	51.2	51.2	65.2	88.5	111.7	130.4	146.6	156.0	151.3	146.6	128.0
107.5°	44.2	44.2	58.2	79.1	97.8	114.1	125.7	128.0	121.0	118.7	107.1
110°	39.6	41.9	51.2	69.8	88.5	100.1	107.1	107.1	100.1	97.8	88.5

REPORT NUMBER: P695703  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	37.2	37.2	46.6	62.8	76.8	88.5	93.1	90.8	83.8	81.5	74.5
115°	34.9	34.9	41.9	55.9	69.8	79.1	81.5	76.8	69.8	67.5	62.8
117.5°	32.6	32.6	37.2	48.9	62.8	69.8	72.2	65.2	58.2	58.2	55.9
120°	30.3	30.3	34.9	44.2	55.9	62.8	62.8	55.9	51.2	48.9	48.9
122.5°	30.3	30.3	32.6	39.6	48.9	53.5	55.9	48.9	44.2	41.9	41.9
125°	27.9	27.9	30.3	34.9	44.2	48.9	46.6	41.9	37.2	37.2	37.2
127.5°	27.9	27.9	27.9	32.6	37.2	41.9	41.9	37.2	32.6	32.6	34.9
130°	25.6	25.6	25.6	27.9	32.6	37.2	34.9	30.3	27.9	27.9	30.3
132.5°	25.6	25.6	25.6	25.6	27.9	32.6	30.3	25.6	25.6	25.6	25.6
135°	23.3	23.3	23.3	23.3	25.6	25.6	25.6	23.3	20.9	23.3	23.3
137.5°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	18.6	18.6	18.6	20.9
140°	18.6	18.6	18.6	18.6	16.3	16.3	16.3	14.0	16.3	16.3	18.6
142.5°	18.6	18.6	16.3	16.3	14.0	14.0	11.6	11.6	14.0	14.0	14.0
145°	16.3	16.3	14.0	11.6	9.3	9.3	9.3	9.3	9.3	11.6	11.6
147.5°	11.6	11.6	11.6	9.3	7.0	4.7	4.7	7.0	7.0	7.0	9.3
150°	9.3	9.3	9.3	7.0	4.7	2.3	2.3	4.7	4.7	4.7	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



REPORT NUMBER: P695703  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3
2.5°	286.3	284.0	277.0	272.3	267.7	265.4	260.7	258.4	258.4	256.0	258.4
5°	295.6	288.6	274.7	263.0	251.4	242.1	235.1	230.4	228.1	225.8	223.5
7.5°	311.9	300.3	279.3	260.7	242.1	228.1	216.5	209.5	204.8	200.2	200.2
10°	335.2	318.9	288.6	263.0	239.8	221.1	204.8	195.5	190.9	186.2	186.2
12.5°	370.1	349.2	309.6	270.0	242.1	218.8	202.5	190.9	186.2	183.9	181.6
15°	414.3	388.7	337.5	291.0	251.4	221.1	204.8	200.2	195.5	193.2	193.2
17.5°	465.5	430.6	367.8	311.9	267.7	235.1	218.8	211.8	209.5	207.2	204.8
20°	521.4	481.8	402.7	335.2	286.3	258.4	235.1	228.1	225.8	223.5	223.5
22.5°	588.9	535.4	439.9	360.8	309.6	277.0	256.0	244.4	242.1	242.1	239.8
25°	658.7	600.6	481.8	388.7	332.9	297.9	274.7	263.0	260.7	263.0	263.0
27.5°	740.2	665.7	526.1	419.0	356.1	314.2	293.3	281.7	281.7	286.3	286.3
30°	828.7	733.2	570.3	449.2	377.1	330.5	309.6	302.6	304.9	307.3	309.6
32.5°	914.8	805.4	612.2	479.5	393.4	344.5	325.9	323.6	325.9	330.5	330.5
35°	1014.9	886.9	654.1	505.1	407.3	356.1	339.8	342.2	346.8	351.5	353.8
37.5°	1115.0	959.0	696.0	523.7	419.0	367.8	353.8	358.5	363.1	372.4	372.4
40°	1210.4	1033.5	728.6	540.0	428.3	374.8	363.1	372.4	381.7	386.4	386.4
42.5°	1310.5	1108.0	763.5	551.7	435.3	381.7	372.4	386.4	395.7	398.0	398.0
45°	1412.9	1170.8	789.1	561.0	439.9	386.4	379.4	393.4	405.0	407.3	407.3
47.5°	1503.7	1229.0	807.7	563.3	439.9	388.7	384.1	400.4	412.0	412.0	412.0
50°	1599.1	1287.2	819.4	565.6	442.3	391.1	386.4	405.0	416.7	414.3	416.7
52.5°	1680.6	1333.8	824.0	561.0	439.9	388.7	388.7	409.7	421.3	416.7	416.7
55°	1752.8	1368.7	821.7	554.0	435.3	388.7	388.7	409.7	421.3	416.7	416.7
57.5°	1806.3	1389.6	812.4	544.7	430.6	386.4	388.7	409.7	421.3	416.7	416.7
60°	1838.9	1392.0	793.8	533.0	423.6	381.7	384.1	407.3	419.0	414.3	414.3
62.5°	1843.5	1380.3	770.5	516.8	414.3	377.1	381.7	405.0	416.7	412.0	414.3
65°	1817.9	1345.4	740.2	498.1	405.0	370.1	377.1	400.4	412.0	409.7	409.7
67.5°	1752.8	1284.9	698.3	474.9	391.1	360.8	370.1	391.1	407.3	402.7	402.7
70°	1648.0	1201.1	654.1	449.2	372.4	349.2	358.5	381.7	395.7	393.4	393.4
72.5°	1510.7	1101.0	600.6	419.0	353.8	335.2	346.8	367.8	379.4	379.4	377.1
75°	1345.4	989.3	542.4	386.4	332.9	318.9	332.9	349.2	358.5	356.1	353.8
77.5°	1168.5	868.2	486.5	353.8	309.6	300.3	311.9	330.5	335.2	332.9	328.2
80°	989.3	744.9	430.6	318.9	284.0	277.0	288.6	302.6	307.3	300.3	297.9
82.5°	826.3	621.5	374.8	286.3	258.4	253.7	265.4	274.7	274.7	270.0	263.0
85°	668.1	523.7	328.2	253.7	232.8	230.4	239.8	244.4	242.1	235.1	228.1
87.5°	537.7	428.3	281.7	225.8	207.2	204.8	211.8	214.1	209.5	200.2	195.5
90°	435.3	351.5	242.1	200.2	183.9	183.9	186.2	186.2	179.2	167.6	162.9
92.5°	346.8	288.6	209.5	174.6	165.3	160.6	162.9	160.6	151.3	144.3	137.3
95°	279.3	237.4	181.6	156.0	146.6	142.0	144.3	139.7	128.0	118.7	114.1
97.5°	225.8	195.5	156.0	137.3	130.4	125.7	125.7	118.7	111.7	100.1	95.4
100°	181.6	160.6	135.0	121.0	114.1	111.7	109.4	104.7	95.4	83.8	81.5
102.5°	146.6	135.0	116.4	107.1	102.4	100.1	97.8	90.8	81.5	69.8	69.8
105°	121.0	114.1	102.4	95.4	90.8	88.5	86.1	79.1	69.8	60.5	60.5
107.5°	100.1	95.4	88.5	83.8	81.5	79.1	76.8	69.8	60.5	51.2	53.5
110°	86.1	81.5	76.8	74.5	74.5	72.2	67.5	62.8	53.5	46.6	46.6

REPORT NUMBER: P695703  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	72.2	69.8	67.5	67.5	65.2	62.8	60.5	53.5	46.6	41.9	41.9
115°	62.8	60.5	60.5	60.5	58.2	58.2	53.5	48.9	39.6	37.2	37.2
117.5°	53.5	53.5	53.5	53.5	53.5	51.2	48.9	41.9	34.9	32.6	32.6
120°	48.9	48.9	46.6	46.6	46.6	46.6	41.9	37.2	30.3	30.3	30.3
122.5°	41.9	41.9	41.9	41.9	41.9	39.6	37.2	32.6	27.9	27.9	27.9
125°	37.2	37.2	37.2	39.6	37.2	37.2	32.6	27.9	23.3	25.6	25.6
127.5°	34.9	34.9	34.9	32.6	32.6	32.6	27.9	23.3	20.9	23.3	23.3
130°	30.3	30.3	30.3	30.3	30.3	27.9	25.6	20.9	18.6	20.9	20.9
132.5°	27.9	27.9	27.9	25.6	25.6	23.3	20.9	18.6	16.3	18.6	18.6
135°	23.3	23.3	23.3	23.3	20.9	20.9	18.6	14.0	16.3	16.3	16.3
137.5°	20.9	20.9	20.9	18.6	18.6	16.3	14.0	11.6	14.0	14.0	14.0
140°	18.6	18.6	18.6	16.3	14.0	14.0	11.6	11.6	11.6	14.0	14.0
142.5°	14.0	14.0	14.0	14.0	11.6	9.3	9.3	9.3	11.6	11.6	11.6
145°	11.6	11.6	11.6	9.3	9.3	7.0	7.0	7.0	9.3	9.3	9.3
147.5°	9.3	9.3	9.3	7.0	7.0	4.7	4.7	7.0	9.3	9.3	9.3
150°	7.0	7.0	7.0	4.7	4.7	2.3	4.7	4.7	7.0	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)