

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: P695708

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6481 lumens  
Efficiency: N/A  
Efficacy: 104.5 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 - G3

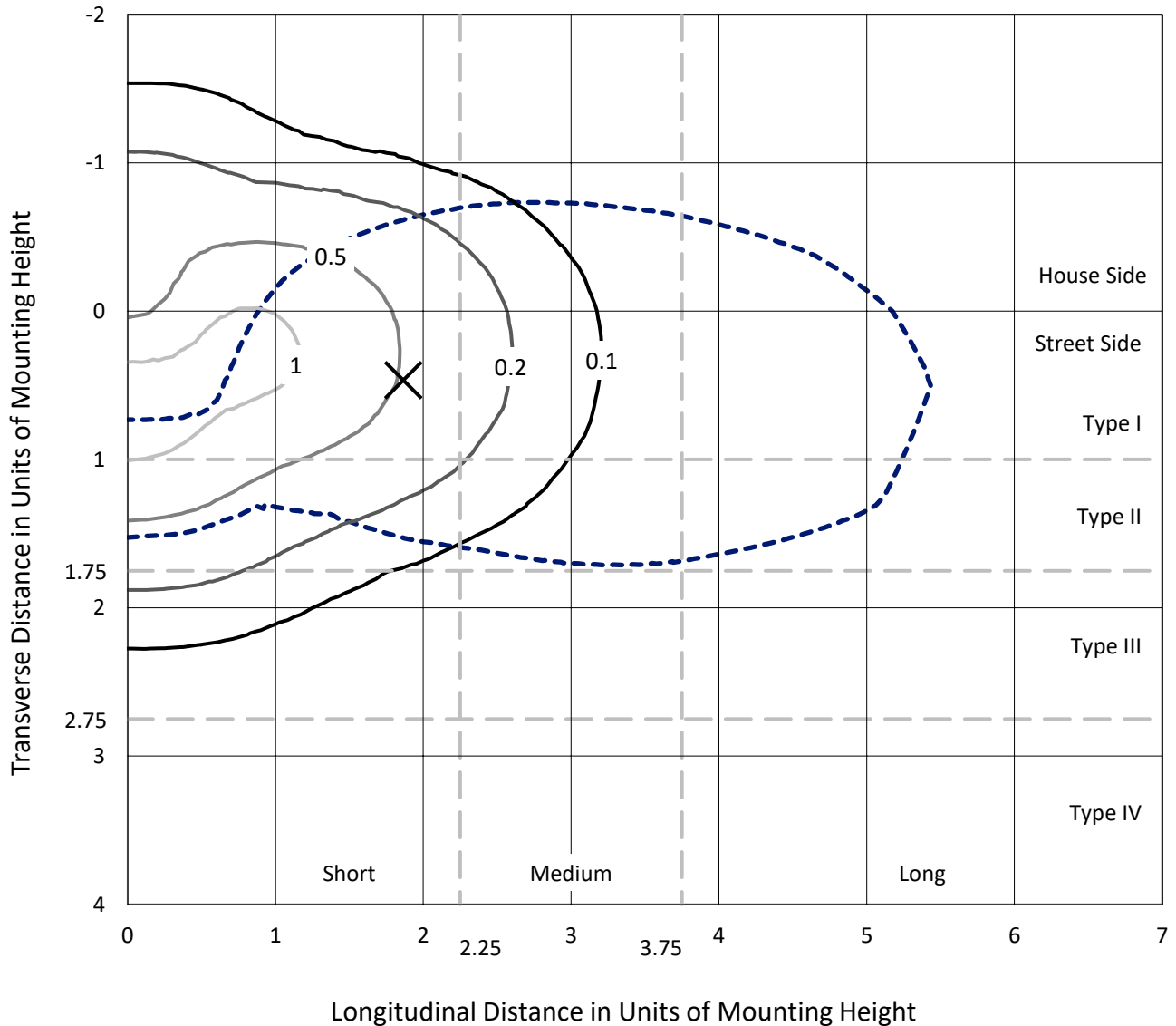
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695708  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

### Iso-Footcandle Lines of Horizontal Illumination

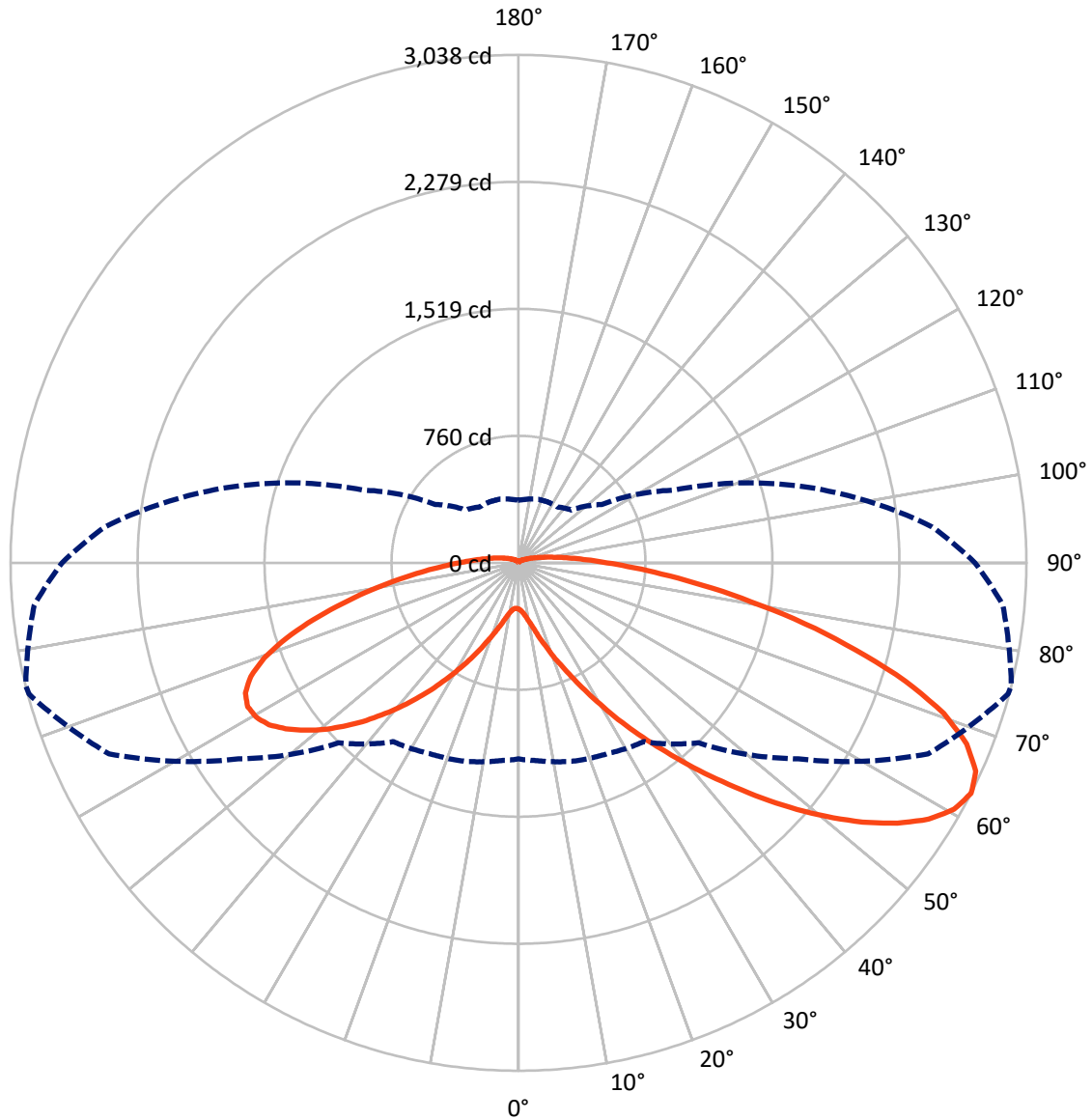
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P695708  
CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P695708  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

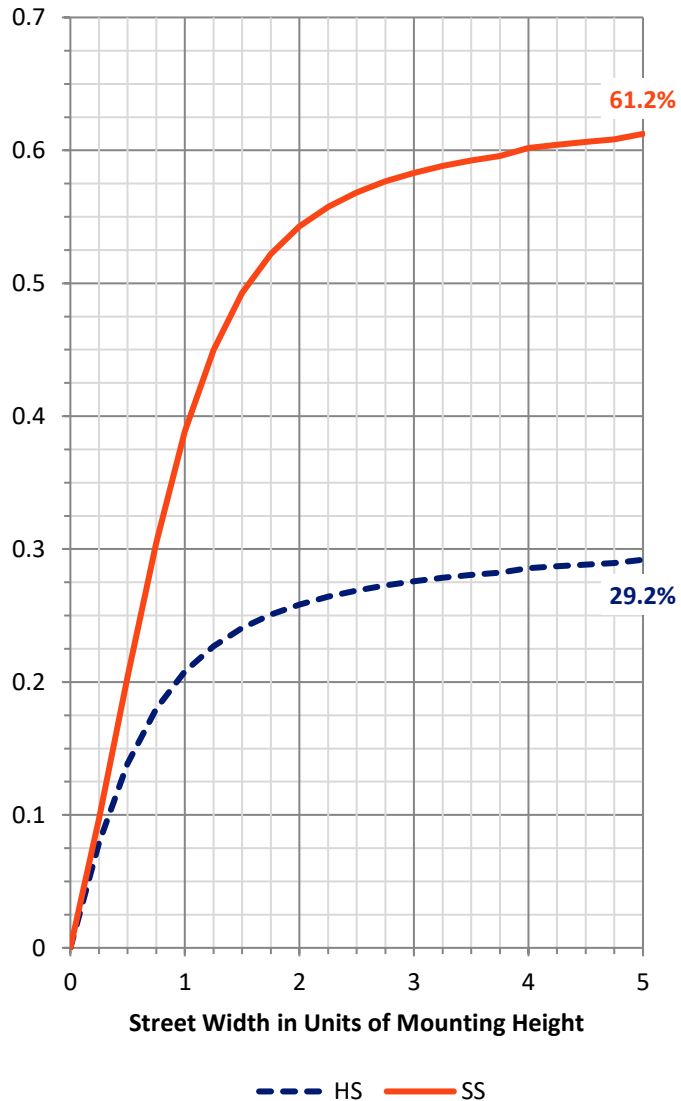
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1971.6	193.7	2165.3
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	4078.6	237.1	4315.7
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	6050.2	430.8	6481.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.9	0.4
10°-20°	119.2	1.8
20°-30°	304.5	4.7
30°-40°	608.6	9.4
40°-50°	983.4	15.2
50°-60°	1286.2	19.8
60°-70°	1304.9	20.1
70°-80°	938.2	14.5
80°-90°	476.4	7.4
90°-100°	215.4	3.3
100°-110°	105.8	1.6
110°-120°	56.6	0.9
120°-130°	31.2	0.5
130°-140°	15.7	0.2
140°-150°	5.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6050.2	93.4
0°-180°	6481.0	100.0

**Coefficient of Utilization**

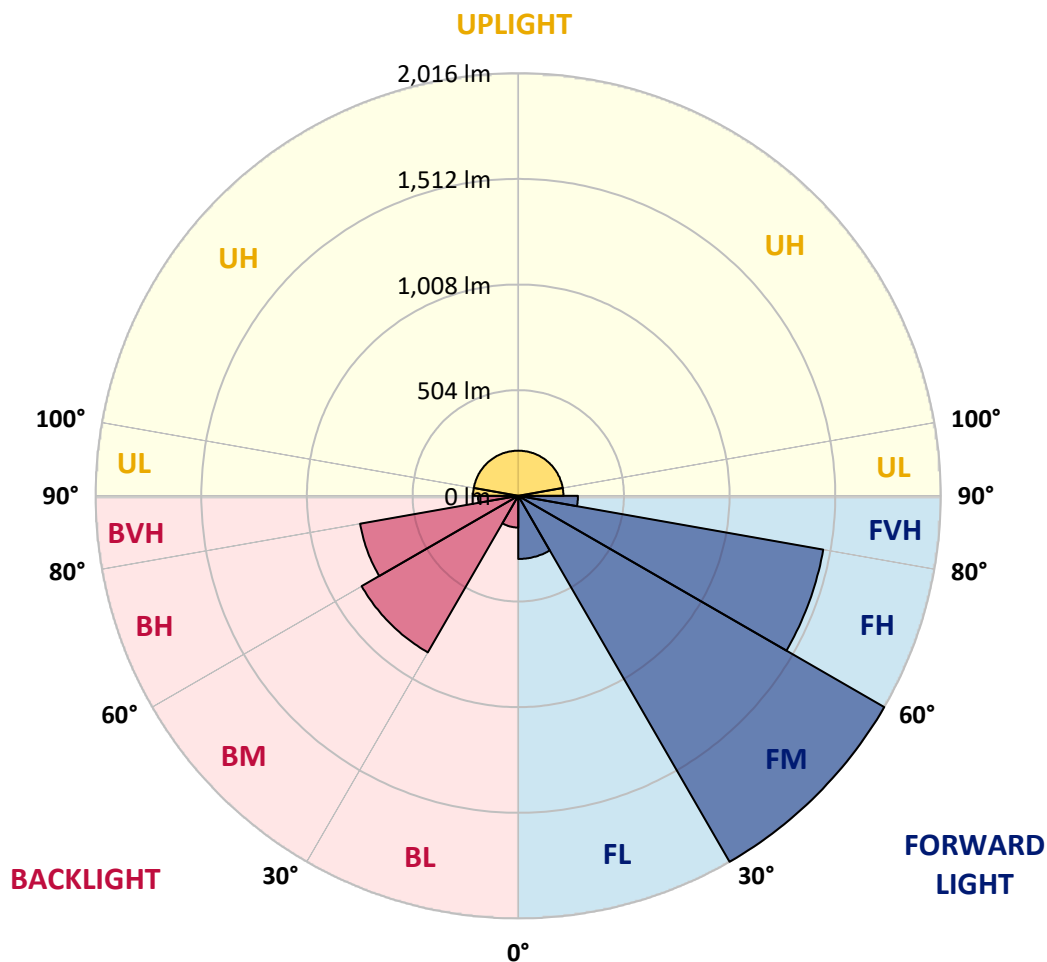


REPORT NUMBER: P695708  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.3	4.6			
FM (30°-60°)	2015.7	31.1			
FH (60°-80°)	1477.1	22.8			G1/1800
FVH (80°-90°)	284.5	4.4			G3/500
BL (0°-30°)	151.3	2.3	B1/500		
BM (30°-60°)	862.4	13.3	B1/1000		
BH (60°-80°)	766.0	11.8	B2/1000		G2/1000
BVH (80°-90°)	191.9	3.0			G2/225
UL (90°-100°)	215.4	3.3		U3/500	
UH (100°-180°)	215.3	3.3		U3/500	

**BUG Rating: B2-U3-G3**  
 Type II Short



REPORT NUMBER: P695708  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0
2.5°	309.6	307.3	307.3	305.0	302.6	300.3	295.7	291.0	286.4	286.4	281.7
5°	351.5	349.2	349.2	344.6	339.9	330.6	323.6	314.3	305.0	302.6	293.3
7.5°	398.1	400.4	398.1	391.1	384.1	372.5	358.5	344.6	328.3	325.9	312.0
10°	456.3	458.6	451.6	442.3	435.3	423.7	402.8	384.1	363.2	360.8	342.2
12.5°	526.1	521.5	521.5	509.8	495.9	474.9	451.6	430.7	405.1	400.4	379.5
15°	596.0	605.3	598.3	582.0	561.1	540.1	516.8	491.2	465.6	461.0	430.7
17.5°	677.5	689.1	679.8	661.2	640.2	612.3	591.3	558.7	528.5	521.5	486.6
20°	779.9	779.9	768.3	745.0	721.7	700.7	670.5	635.6	600.6	598.3	551.8
22.5°	882.3	877.7	866.0	840.4	812.5	789.2	754.3	721.7	686.8	675.1	635.6
25°	996.4	991.8	970.8	935.9	912.6	880.0	852.1	819.5	782.2	770.6	726.4
27.5°	1112.8	1108.2	1082.5	1050.0	1012.7	980.1	952.2	926.6	880.0	880.0	828.8
30°	1233.9	1226.9	1196.6	1161.7	1115.1	1082.5	1066.3	1040.6	1008.1	1001.1	938.2
32.5°	1347.9	1350.3	1320.0	1271.1	1222.2	1189.6	1182.7	1175.7	1140.8	1138.4	1070.9
35°	1466.7	1462.0	1429.4	1380.5	1329.3	1299.1	1301.4	1315.4	1285.1	1280.4	1199.0
37.5°	1573.8	1573.8	1538.8	1478.3	1422.4	1399.2	1431.8	1469.0	1448.1	1434.1	1350.3
40°	1671.5	1664.6	1634.3	1571.4	1508.6	1506.3	1564.5	1620.3	1613.3	1608.7	1506.3
42.5°	1743.7	1734.4	1706.5	1641.3	1585.4	1597.1	1692.5	1799.6	1797.3	1788.0	1678.5
45°	1783.3	1778.6	1753.0	1692.5	1639.0	1683.2	1822.9	1967.2	1992.8	1985.8	1853.1
47.5°	1790.3	1788.0	1767.0	1713.5	1673.9	1746.0	1950.9	2144.1	2183.7	2186.1	2034.7
50°	1762.3	1762.3	1748.4	1706.5	1683.2	1790.3	2051.0	2325.7	2381.6	2383.9	2218.6
52.5°	1694.8	1694.8	1694.8	1666.9	1662.2	1804.2	2134.8	2470.1	2579.5	2577.2	2409.5
55°	1599.4	1597.1	1606.4	1601.7	1608.7	1781.0	2174.4	2605.1	2756.4	2749.4	2584.1
57.5°	1480.6	1473.7	1496.9	1506.3	1527.2	1725.1	2181.4	2695.9	2898.4	2893.8	2726.2
60°	1327.0	1331.7	1366.6	1382.9	1420.1	1636.6	2134.8	2728.5	2993.9	2993.9	2844.9
62.5°	1173.3	1187.3	1229.2	1259.5	1306.0	1522.6	2044.0	2702.9	3031.1	3038.1	2907.8
65°	1024.3	1043.0	1089.5	1122.1	1180.3	1382.9	1895.0	2602.8	2993.9	3005.5	2912.4
67.5°	889.3	894.0	945.2	982.4	1043.0	1233.9	1725.1	2432.8	2870.5	2891.5	2837.9
70°	758.9	765.9	817.2	859.1	912.6	1077.9	1522.6	2181.4	2663.3	2698.2	2672.6
72.5°	633.2	644.9	689.1	738.0	789.2	933.6	1306.0	1927.6	2383.9	2421.2	2435.2
75°	533.1	544.8	589.0	635.6	682.1	798.5	1112.8	1632.0	2062.7	2083.6	2151.1
77.5°	442.3	456.3	493.5	540.1	582.0	679.8	921.9	1345.6	1734.4	1750.7	1808.9
80°	370.2	381.8	412.1	456.3	488.9	570.4	754.3	1089.5	1389.9	1410.8	1462.0
82.5°	307.3	312.0	344.6	381.8	416.7	481.9	616.9	866.0	1089.5	1112.8	1182.7
85°	258.4	260.7	288.7	318.9	351.5	400.4	502.9	677.5	840.4	856.7	907.9
87.5°	209.5	214.2	242.1	270.1	295.7	337.6	407.4	533.1	647.2	654.2	689.1
90°	174.6	179.3	202.5	228.2	253.8	281.7	335.2	412.1	493.5	498.2	519.2
92.5°	146.7	149.0	169.9	195.6	218.8	242.1	274.7	325.9	384.1	388.8	398.1
95°	123.4	125.7	144.3	165.3	186.2	204.9	230.5	263.1	298.0	300.3	309.6
97.5°	107.1	107.1	123.4	142.0	160.6	174.6	190.9	214.2	235.1	232.8	235.1
100°	90.8	90.8	104.8	123.4	139.7	151.3	160.6	172.3	181.6	183.9	183.9
102.5°	79.2	79.2	90.8	109.4	123.4	132.7	139.7	142.0	146.7	146.7	144.3
105°	67.5	69.8	79.2	95.5	107.1	116.4	118.7	118.7	116.4	116.4	116.4
107.5°	60.5	60.5	69.8	83.8	95.5	102.4	104.8	100.1	95.5	93.1	93.1
110°	55.9	55.9	62.9	74.5	86.1	90.8	90.8	83.8	76.8	79.2	76.8

REPORT NUMBER: P695708  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	48.9	51.2	55.9	67.5	76.8	81.5	79.2	72.2	65.2	62.9	62.9
115°	46.6	46.6	51.2	60.5	69.8	72.2	69.8	62.9	53.5	53.5	53.5
117.5°	41.9	41.9	46.6	53.5	60.5	65.2	60.5	53.5	44.2	44.2	44.2
120°	39.6	39.6	41.9	48.9	55.9	58.2	53.5	46.6	37.2	37.2	39.6
122.5°	37.2	37.2	39.6	44.2	48.9	51.2	48.9	39.6	32.6	32.6	34.9
125°	34.9	34.9	34.9	39.6	44.2	46.6	41.9	34.9	27.9	27.9	30.3
127.5°	32.6	32.6	32.6	34.9	39.6	39.6	37.2	30.3	25.6	25.6	27.9
130°	30.3	30.3	30.3	32.6	34.9	34.9	30.3	25.6	23.3	23.3	23.3
132.5°	27.9	27.9	27.9	27.9	30.3	30.3	25.6	21.0	18.6	21.0	21.0
135°	25.6	25.6	25.6	25.6	25.6	25.6	21.0	16.3	16.3	16.3	18.6
137.5°	23.3	23.3	23.3	21.0	21.0	21.0	16.3	14.0	14.0	14.0	16.3
140°	21.0	21.0	21.0	18.6	16.3	16.3	11.6	11.6	11.6	11.6	14.0
142.5°	18.6	18.6	18.6	16.3	14.0	11.6	9.3	9.3	9.3	9.3	11.6
145°	16.3	16.3	14.0	14.0	9.3	7.0	7.0	7.0	7.0	9.3	9.3
147.5°	14.0	14.0	11.6	9.3	7.0	4.7	2.3	4.7	4.7	4.7	7.0
150°	9.3	9.3	9.3	7.0	4.7	2.3	2.3	2.3	4.7	4.7	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: P695708  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0
2.5°	279.4	277.0	272.4	267.7	263.1	260.7	258.4	256.1	256.1	256.1	256.1
5°	288.7	281.7	272.4	263.1	253.8	246.8	239.8	235.1	232.8	230.5	230.5
7.5°	305.0	295.7	279.4	265.4	251.4	237.5	228.2	221.2	216.5	214.2	214.2
10°	328.3	316.6	295.7	274.7	253.8	237.5	223.5	214.2	207.2	204.9	202.5
12.5°	365.5	351.5	321.3	291.0	265.4	242.1	225.8	211.9	204.9	202.5	202.5
15°	414.4	395.8	356.2	318.9	284.0	253.8	235.1	225.8	221.2	216.5	216.5
17.5°	465.6	444.7	400.4	353.9	312.0	277.0	256.1	246.8	237.5	235.1	235.1
20°	533.1	505.2	449.3	393.4	344.6	309.6	284.0	265.4	256.1	253.8	253.8
22.5°	605.3	570.4	507.5	437.7	384.1	339.9	309.6	286.4	277.0	272.4	272.4
25°	686.8	654.2	572.7	488.9	428.4	374.8	335.2	309.6	298.0	295.7	295.7
27.5°	784.6	745.0	644.9	549.4	470.3	405.1	360.8	330.6	318.9	316.6	316.6
30°	898.6	842.8	724.0	614.6	514.5	433.0	379.5	351.5	337.6	337.6	337.6
32.5°	1005.7	947.5	810.2	679.8	554.1	456.3	398.1	370.2	356.2	356.2	356.2
35°	1136.1	1068.6	903.3	742.7	589.0	477.3	412.1	384.1	372.5	370.2	370.2
37.5°	1280.4	1194.3	996.4	800.9	621.6	491.2	423.7	395.8	384.1	381.8	381.8
40°	1424.8	1324.7	1098.8	861.4	644.9	500.5	430.7	405.1	393.4	388.8	388.8
42.5°	1578.4	1464.4	1196.6	917.3	665.8	505.2	433.0	412.1	400.4	393.4	393.4
45°	1743.7	1608.7	1301.4	961.5	679.8	507.5	435.3	414.4	405.1	395.8	395.8
47.5°	1920.7	1762.3	1396.8	1003.4	684.5	505.2	435.3	416.7	405.1	395.8	393.4
50°	2081.3	1911.3	1494.6	1036.0	684.5	500.5	435.3	419.1	407.4	393.4	393.4
52.5°	2251.2	2058.0	1578.4	1056.9	679.8	493.5	433.0	416.7	407.4	391.1	391.1
55°	2418.9	2197.7	1655.3	1068.6	668.2	484.2	428.4	416.7	405.1	388.8	386.5
57.5°	2553.9	2325.7	1718.1	1068.6	651.9	472.6	421.4	414.4	402.8	386.5	384.1
60°	2663.3	2423.5	1753.0	1054.6	630.9	461.0	414.4	409.7	400.4	381.8	379.5
62.5°	2730.8	2481.7	1762.3	1029.0	607.6	447.0	407.4	402.8	395.8	379.5	374.8
65°	2742.5	2488.7	1734.4	984.8	577.4	428.4	395.8	395.8	388.8	372.5	370.2
67.5°	2674.9	2421.2	1664.6	924.2	544.8	409.7	381.8	384.1	379.5	365.5	360.8
70°	2530.6	2290.8	1548.2	854.4	507.5	391.1	365.5	367.8	363.2	351.5	349.2
72.5°	2307.1	2076.6	1392.2	770.6	467.9	367.8	349.2	349.2	346.9	335.2	330.6
75°	2030.1	1829.9	1212.9	682.1	428.4	342.2	328.3	328.3	325.9	314.3	309.6
77.5°	1720.4	1545.8	1026.7	596.0	386.5	316.6	302.6	305.0	302.6	288.7	288.7
80°	1389.9	1268.8	856.7	512.2	346.9	288.7	277.0	279.4	274.7	260.7	256.1
82.5°	1115.1	1015.0	693.8	437.7	307.3	263.1	251.4	251.4	244.4	232.8	230.5
85°	852.1	779.9	561.1	367.8	272.4	235.1	225.8	223.5	214.2	202.5	200.2
87.5°	663.5	603.0	449.3	312.0	237.5	209.5	200.2	195.6	186.2	174.6	172.3
90°	500.5	463.3	358.5	260.7	209.5	186.2	176.9	169.9	160.6	149.0	144.3
92.5°	388.8	365.5	291.0	223.5	181.6	165.3	156.0	149.0	137.4	128.0	123.4
95°	300.3	286.4	239.8	190.9	160.6	144.3	137.4	130.4	121.1	109.4	104.8
97.5°	237.5	225.8	195.6	163.0	142.0	130.4	121.1	114.1	102.4	93.1	90.8
100°	186.2	179.3	163.0	139.7	125.7	114.1	107.1	100.1	88.5	79.2	79.2
102.5°	146.7	144.3	135.0	121.1	111.7	102.4	95.5	88.5	79.2	69.8	67.5
105°	118.7	118.7	111.7	104.8	97.8	90.8	86.1	79.2	67.5	60.5	58.2
107.5°	95.5	97.8	95.5	93.1	86.1	81.5	76.8	67.5	58.2	51.2	51.2
110°	79.2	79.2	81.5	79.2	76.8	72.2	67.5	60.5	51.2	46.6	46.6

REPORT NUMBER: P695708  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	65.2	67.5	69.8	69.8	67.5	65.2	60.5	53.5	44.2	39.6	39.6
115°	55.9	55.9	60.5	60.5	60.5	58.2	53.5	46.6	39.6	34.9	37.2
117.5°	46.6	48.9	51.2	53.5	53.5	51.2	46.6	39.6	32.6	32.6	32.6
120°	41.9	41.9	44.2	46.6	46.6	46.6	41.9	34.9	30.3	27.9	27.9
122.5°	37.2	37.2	39.6	41.9	41.9	39.6	37.2	30.3	25.6	25.6	25.6
125°	32.6	32.6	34.9	37.2	37.2	34.9	30.3	25.6	23.3	23.3	23.3
127.5°	27.9	30.3	30.3	32.6	32.6	30.3	27.9	23.3	18.6	21.0	21.0
130°	25.6	25.6	27.9	27.9	27.9	25.6	23.3	18.6	18.6	18.6	18.6
132.5°	23.3	23.3	23.3	23.3	23.3	23.3	18.6	16.3	16.3	16.3	16.3
135°	18.6	21.0	21.0	21.0	21.0	18.6	16.3	14.0	14.0	14.0	16.3
137.5°	16.3	16.3	18.6	16.3	16.3	16.3	11.6	11.6	11.6	14.0	14.0
140°	14.0	14.0	14.0	14.0	14.0	11.6	9.3	9.3	11.6	11.6	11.6
142.5°	11.6	11.6	11.6	11.6	9.3	9.3	7.0	7.0	9.3	9.3	11.6
145°	9.3	9.3	9.3	9.3	7.0	7.0	4.7	7.0	7.0	9.3	9.3
147.5°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	2.3	2.3	2.3	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)