

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: P695712

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
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-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6651.1 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U3 - G2

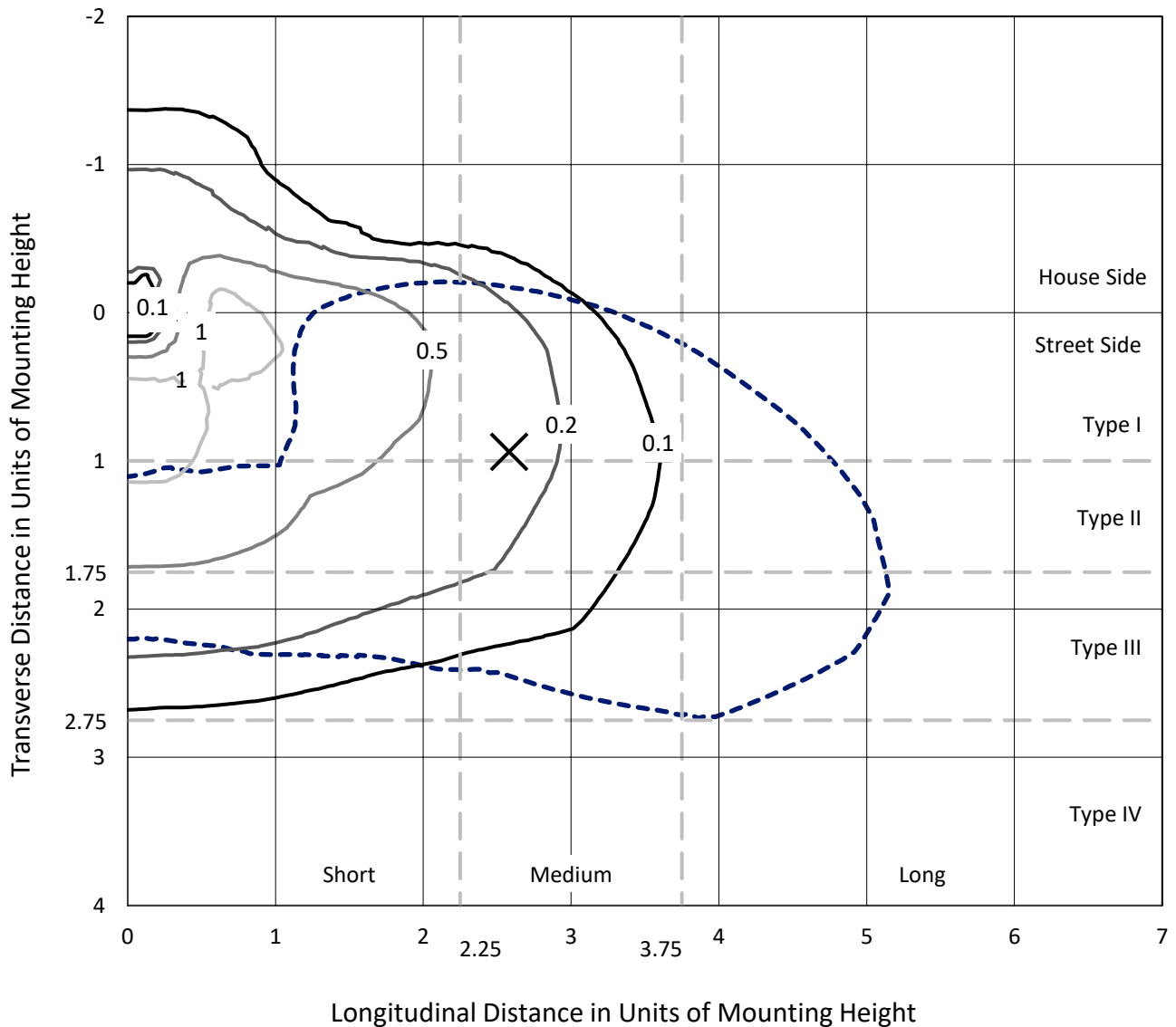
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695712  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

### Iso-Footcandle Lines of Horizontal Illumination

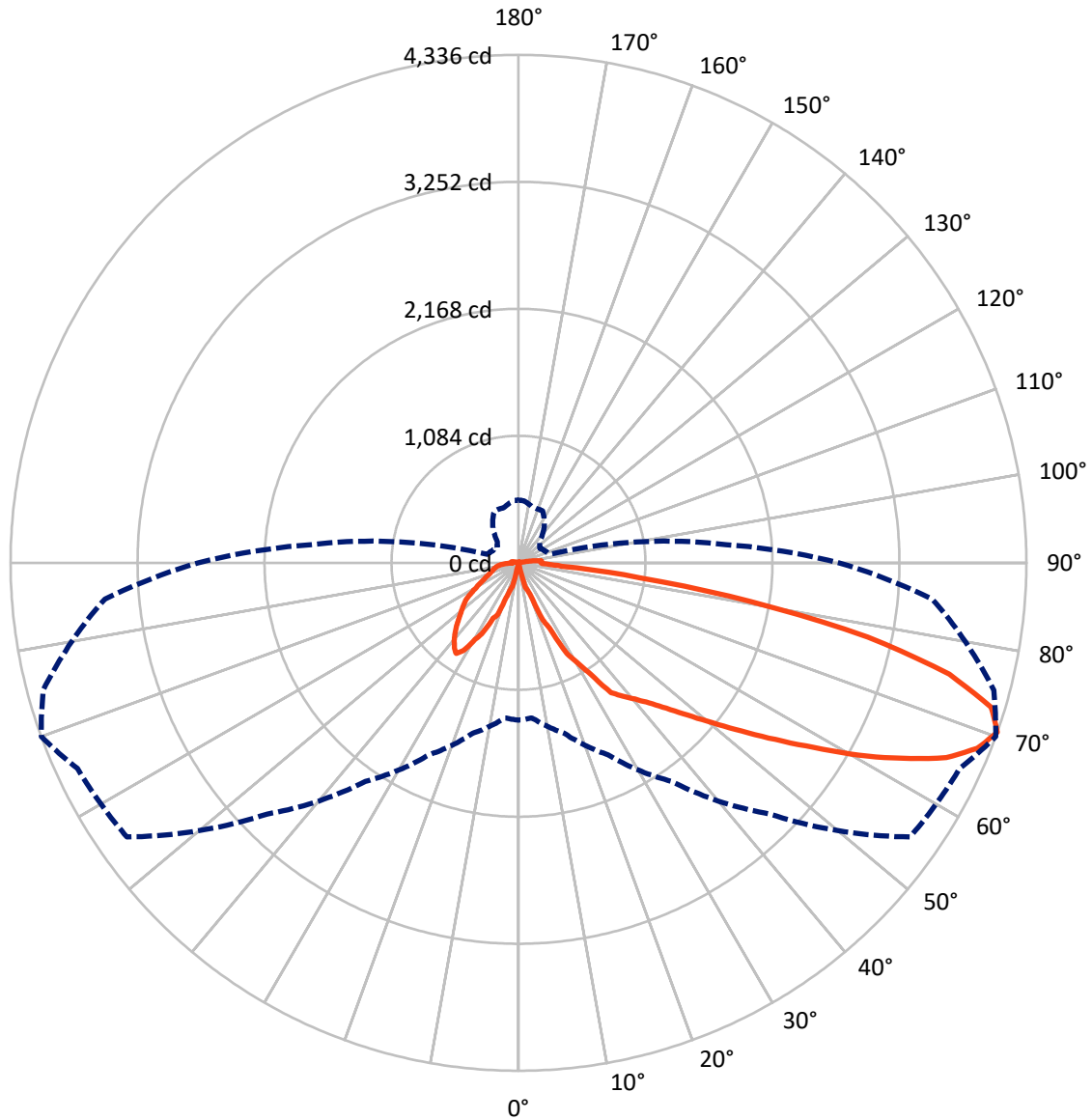
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P695712  
CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P695712  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

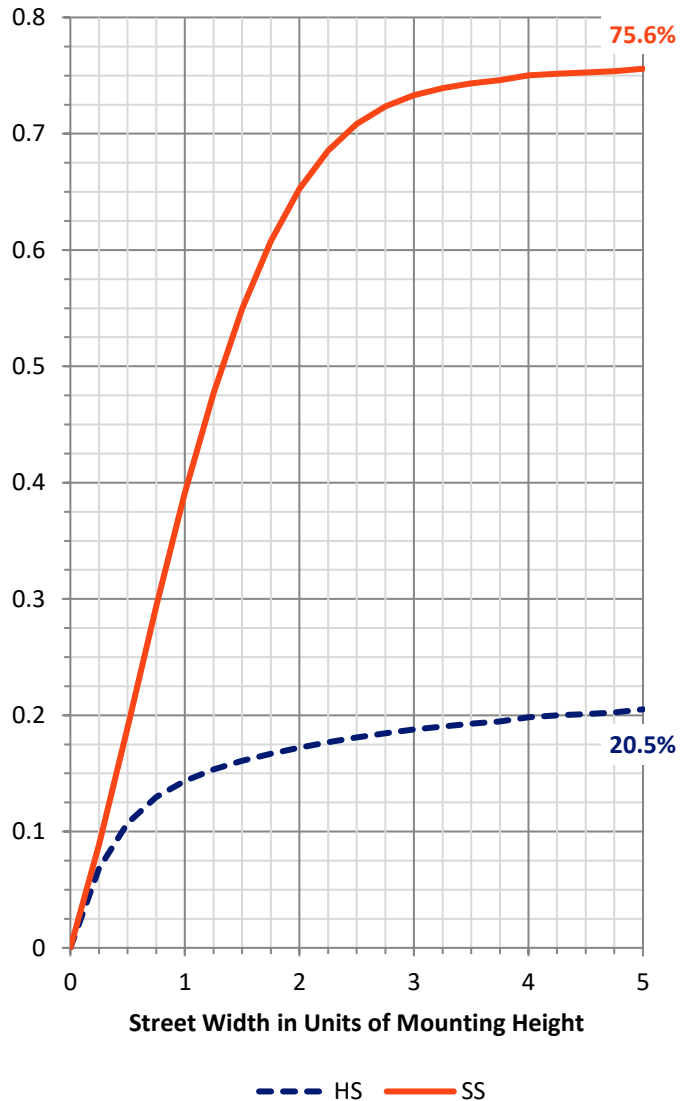
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1447.3	71.7	1519.1
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	5068.9	63.1	5132.0
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	6516.2	134.9	6651.1
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	47.5	0.7
20°-30°	271.7	4.1
30°-40°	627.4	9.4
40°-50°	919.0	13.8
50°-60°	1359.1	20.4
60°-70°	1782.6	26.8
70°-80°	1210.6	18.2
80°-90°	297.8	4.5
90°-100°	97.8	1.5
100°-110°	17.5	0.3
110°-120°	6.9	0.1
120°-130°	5.5	0.1
130°-140°	3.9	0.1
140°-150°	2.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6516.2	98.0
0°-180°	6651.1	100.0

**Coefficient of Utilization**

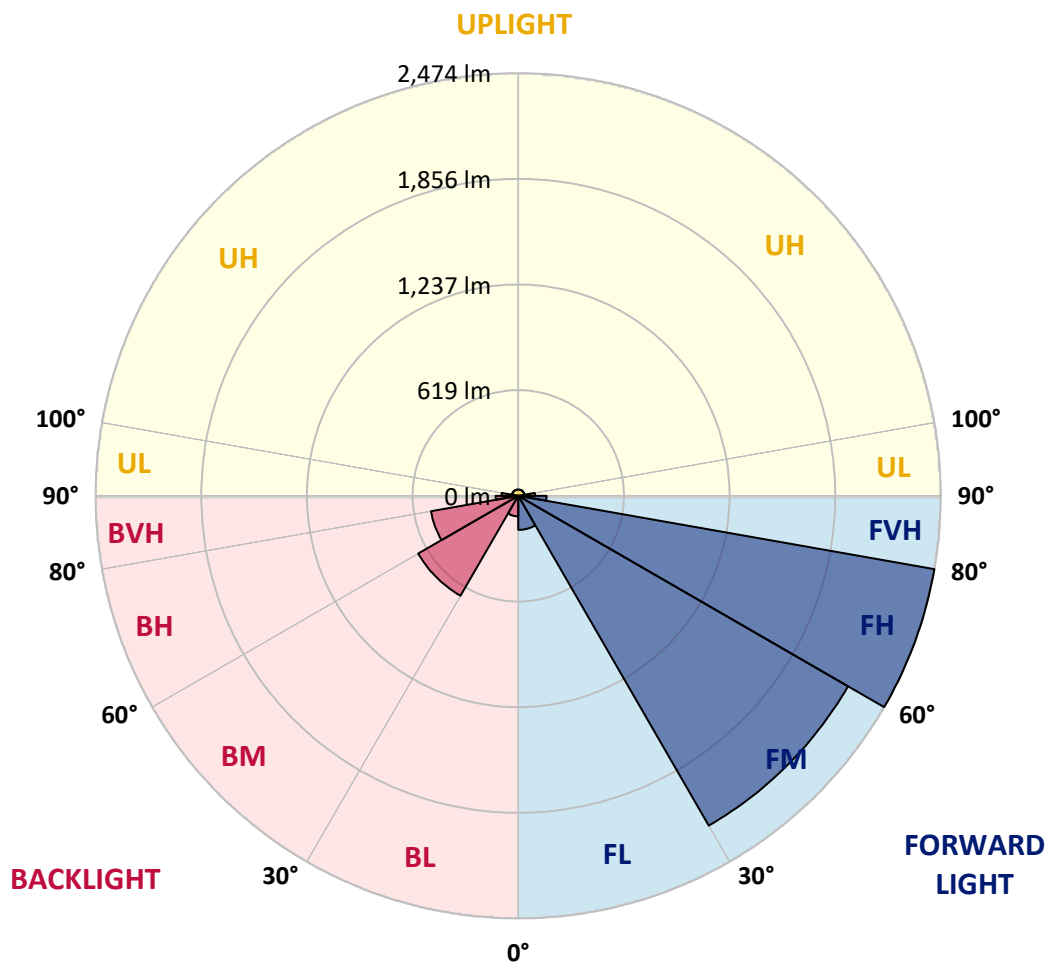


REPORT NUMBER: P695712  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.7	3.0			
FM (30°-60°)	2229.5	33.5			
FH (60°-80°)	2474.2	37.2			G2/5000
FVH (80°-90°)	165.5	2.5			G2/225
BL (0°-30°)	120.1	1.8	B1/500		
BM (30°-60°)	675.9	10.2	B1/1000		
BH (60°-80°)	519.0	7.8	B2/1000		G2/1000
BVH (80°-90°)	132.3	2.0			G2/225
UL (90°-100°)	97.8	1.5		U3/500	
UH (100°-180°)	37.0	0.6		U2/50	

**BUG Rating: B2-U3-G2**  
 Type III Medium



REPORT NUMBER: P695712  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	4.7	4.7	7.0	7.0	4.7	4.7	4.7	4.7	4.7
7.5°	7.0	4.7	4.7	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7
10°	39.6	41.9	27.9	16.3	11.6	7.0	7.0	7.0	7.0	7.0	7.0
12.5°	214.1	211.8	207.2	144.3	51.2	16.3	11.6	20.9	25.6	32.6	46.6
15°	242.1	244.4	237.4	235.1	221.1	83.8	44.2	195.5	214.1	216.5	216.5
17.5°	337.5	335.2	302.6	265.3	249.1	258.4	207.2	232.8	242.1	246.7	249.1
20°	567.9	565.6	558.6	477.2	307.2	377.1	365.4	277.0	293.3	377.1	479.5
22.5°	633.1	628.5	619.1	595.9	616.8	430.6	419.0	486.5	528.4	554.0	551.6
25°	970.6	979.9	807.7	670.3	682.0	588.9	633.1	628.5	616.8	621.5	628.5
27.5°	1080.0	1070.7	1056.7	989.2	758.8	800.7	721.6	803.0	877.5	919.4	907.8
30°	1384.9	1382.6	1217.3	1101.0	996.2	868.2	898.5	1012.5	986.9	993.9	956.6
32.5°	1617.7	1615.4	1592.1	1359.3	1128.9	982.2	1066.0	1070.7	1135.9	1263.9	1275.5
35°	1708.5	1699.1	1682.9	1512.9	1284.8	1156.8	1126.6	1324.4	1361.6	1366.3	1333.7
37.5°	1801.6	1789.9	1776.0	1587.4	1438.5	1226.6	1291.8	1443.1	1443.1	1473.4	1391.9
40°	1855.1	1855.1	1852.8	1650.3	1508.3	1289.5	1373.3	1533.9	1529.2	1550.2	1473.4
42.5°	1922.6	1915.6	1941.2	1715.4	1580.4	1354.7	1452.4	1620.0	1634.0	1687.5	1582.8
45°	2018.0	2027.3	2039.0	1855.1	1678.2	1450.1	1545.5	1755.0	1769.0	1841.1	1741.0
47.5°	2122.8	2134.4	2176.3	2001.7	1836.5	1571.1	1624.7	1908.6	1941.2	2029.7	1941.2
50°	2253.1	2255.4	2316.0	2148.4	2039.0	1743.4	1769.0	2057.6	2143.7	2222.9	2169.3
52.5°	2346.2	2355.5	2430.0	2336.9	2225.2	1950.5	1978.5	2250.8	2385.8	2483.5	2416.0
55°	2427.7	2434.7	2504.5	2481.2	2381.1	2108.8	2250.8	2511.5	2662.8	2746.6	2718.6
57.5°	2457.9	2464.9	2569.7	2588.3	2539.4	2309.0	2537.1	2769.8	2972.3	3065.4	3018.9
60°	2437.0	2437.0	2565.0	2665.1	2714.0	2530.1	2839.7	3060.8	3335.4	3398.3	3414.6
62.5°	2367.2	2385.8	2541.7	2697.7	2839.7	2746.6	3146.9	3421.6	3675.3	3733.5	3696.2
65°	2213.5	2218.2	2383.5	2627.9	2853.6	2981.6	3540.3	3726.5	4012.8	3991.8	3833.5
67.5°	1922.6	1890.0	2034.3	2378.8	2700.0	3102.7	3868.5	3984.8	4224.6	4154.8	3798.6
70°	1343.0	1329.1	1506.0	1808.5	2276.4	3032.9	4080.3	4154.8	4336.3	4201.3	3544.9
72.5°	637.8	689.0	777.4	1035.8	1578.1	2560.4	4022.1	4138.5	4219.9	4066.3	3079.4
75°	279.3	286.3	332.8	470.2	812.3	1617.7	3519.3	3717.2	3798.6	3624.1	2425.4
77.5°	200.2	200.2	221.1	256.0	370.1	772.8	2397.4	2944.4	3049.1	2879.2	1699.1
80°	155.9	155.9	172.2	195.5	230.4	318.9	1494.3	1973.8	2011.0	1759.7	947.3
82.5°	116.4	121.0	135.0	146.6	169.9	218.8	640.1	1014.8	1040.4	817.0	495.8
85°	83.8	83.8	93.1	93.1	111.7	169.9	330.5	372.4	370.1	328.2	307.2
87.5°	27.9	27.9	23.3	27.9	46.6	107.1	207.2	209.5	200.2	228.1	258.4
90°	32.6	32.6	23.3	25.6	34.9	97.8	200.2	200.2	190.9	204.8	258.4
92.5°	34.9	34.9	25.6	25.6	30.3	86.1	202.5	211.8	200.2	207.2	256.0
95°	34.9	34.9	25.6	23.3	27.9	58.2	195.5	195.5	188.5	183.9	202.5
97.5°	20.9	20.9	16.3	18.6	23.3	30.3	116.4	121.0	107.1	83.8	109.4
100°	14.0	14.0	11.6	14.0	16.3	16.3	55.9	58.2	44.2	20.9	23.3
102.5°	14.0	14.0	9.3	11.6	9.3	9.3	16.3	20.9	14.0	14.0	18.6
105°	14.0	16.3	7.0	7.0	7.0	7.0	7.0	14.0	11.6	11.6	18.6
107.5°	14.0	14.0	7.0	7.0	7.0	7.0	4.7	7.0	9.3	11.6	20.9
110°	7.0	9.3	4.7	7.0	4.7	7.0	4.7	7.0	9.3	9.3	16.3

REPORT NUMBER: P695712  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.7	4.7	2.3	4.7	4.7	4.7	4.7	7.0	7.0	7.0	11.6
115°	4.7	4.7	2.3	2.3	2.3	4.7	4.7	4.7	7.0	7.0	11.6
117.5°	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7	7.0	11.6
120°	7.0	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0	11.6
122.5°	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	11.6
125°	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	11.6
127.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	11.6
130°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	9.3
132.5°	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7	9.3
135°	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7	7.0
137.5°	4.7	4.7	2.3	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	7.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0
150°	7.0	7.0	7.0	4.7	4.7	2.3	4.7	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: P695712  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0
5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0
7.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
10°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0
12.5°	41.9	41.9	32.6	16.3	7.0	4.7	4.7	4.7	7.0	11.6	9.3
15°	221.1	221.1	216.5	197.8	41.9	11.6	9.3	20.9	93.1	167.6	169.9
17.5°	253.7	251.4	246.7	235.1	209.5	74.5	72.2	195.5	209.5	218.8	221.1
20°	477.2	472.5	365.4	260.7	228.1	225.8	197.8	221.1	228.1	232.8	235.1
22.5°	544.7	537.7	512.1	451.6	260.7	307.2	288.6	239.7	358.4	384.1	384.1
25°	626.1	607.5	556.3	486.5	444.6	323.5	332.8	349.1	370.1	374.7	374.7
27.5°	891.5	875.2	800.7	535.3	477.2	381.7	386.4	353.8	372.4	425.9	432.9
30°	933.4	907.8	840.3	661.0	495.8	428.3	370.1	414.3	435.3	432.9	435.3
32.5°	1242.9	1217.3	1080.0	679.7	533.0	402.7	405.0	414.3	428.3	451.6	467.8
35°	1291.8	1263.9	1107.9	772.8	509.7	400.3	400.3	419.0	481.8	491.1	491.1
37.5°	1345.4	1322.1	1096.3	721.6	514.4	400.3	388.7	428.3	453.9	451.6	451.6
40°	1438.5	1401.2	1066.0	658.7	467.8	384.1	388.7	402.7	416.6	402.7	395.7
42.5°	1547.9	1480.4	1026.5	593.5	430.6	363.1	367.8	372.4	372.4	346.8	344.5
45°	1687.5	1561.8	972.9	533.0	395.7	337.5	349.1	342.2	342.2	321.2	318.9
47.5°	1845.8	1645.6	907.8	479.5	365.4	314.2	330.5	323.5	328.2	309.6	307.2
50°	2029.7	1755.0	844.9	439.9	339.8	302.6	311.9	321.2	328.2	304.9	302.6
52.5°	2222.9	1862.1	800.7	395.7	316.6	288.6	318.9	321.2	325.9	302.6	302.6
55°	2460.3	1994.7	747.2	363.1	300.3	277.0	335.2	335.2	328.2	307.2	304.9
57.5°	2716.3	2127.4	647.1	332.8	286.3	270.0	342.2	353.8	337.5	311.9	311.9
60°	2953.7	2260.1	533.0	309.6	272.3	267.7	346.8	363.1	349.1	325.9	325.9
62.5°	3135.3	2325.3	446.9	290.9	256.0	260.7	344.5	381.7	377.1	365.4	365.4
65°	3156.2	2267.1	374.7	274.7	242.1	258.4	339.8	400.3	402.7	421.3	423.6
67.5°	3044.5	2080.9	318.9	260.7	230.4	251.4	342.2	439.9	451.6	486.5	481.8
70°	2737.3	1778.3	277.0	244.4	221.1	253.7	384.1	488.8	486.5	530.7	535.3
72.5°	2285.7	1408.2	251.4	235.1	225.8	272.3	432.9	502.8	493.5	542.3	537.7
75°	1734.1	993.9	230.4	223.4	218.8	277.0	444.6	488.8	470.2	502.8	498.1
77.5°	1140.5	654.1	209.5	209.5	211.8	265.3	425.9	465.5	442.2	463.2	460.9
80°	642.4	388.7	188.5	197.8	202.5	253.7	398.0	432.9	409.7	425.9	425.9
82.5°	386.4	277.0	165.3	181.6	186.2	251.4	372.4	402.7	381.7	391.0	379.4
85°	263.0	202.5	130.3	153.6	174.6	242.1	351.5	372.4	335.2	328.2	318.9
87.5°	214.1	158.3	72.2	97.8	130.3	207.2	279.3	281.6	246.7	242.1	239.7
90°	209.5	146.6	51.2	53.5	86.1	144.3	183.9	176.9	165.3	167.6	165.3
92.5°	204.8	139.7	55.9	58.2	86.1	114.1	155.9	153.6	142.0	153.6	151.3
95°	174.6	121.0	58.2	62.8	74.5	69.8	114.1	121.0	111.7	118.7	121.0
97.5°	90.8	65.2	55.9	62.8	55.9	41.9	67.5	76.8	58.2	46.6	51.2
100°	30.3	20.9	55.9	65.2	41.9	30.3	48.9	55.9	34.9	14.0	14.0
102.5°	18.6	18.6	39.6	51.2	30.3	16.3	32.6	39.6	25.6	11.6	11.6
105°	18.6	18.6	16.3	27.9	11.6	9.3	11.6	20.9	14.0	11.6	11.6
107.5°	20.9	18.6	9.3	9.3	9.3	7.0	7.0	9.3	9.3	11.6	11.6
110°	18.6	16.3	9.3	9.3	7.0	7.0	7.0	7.0	9.3	14.0	14.0

REPORT NUMBER: P695712  
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.6	14.0	9.3	7.0	7.0	7.0	7.0	7.0	9.3	14.0	14.0
115°	11.6	11.6	7.0	7.0	4.7	7.0	7.0	7.0	9.3	14.0	16.3
117.5°	14.0	11.6	7.0	4.7	4.7	4.7	4.7	7.0	9.3	16.3	16.3
120°	14.0	11.6	7.0	7.0	4.7	4.7	4.7	7.0	9.3	16.3	18.6
122.5°	14.0	11.6	7.0	4.7	4.7	4.7	4.7	7.0	9.3	16.3	18.6
125°	11.6	11.6	7.0	4.7	4.7	4.7	4.7	7.0	9.3	16.3	16.3
127.5°	11.6	11.6	7.0	4.7	4.7	4.7	4.7	7.0	9.3	16.3	16.3
130°	11.6	9.3	7.0	4.7	4.7	4.7	4.7	7.0	9.3	14.0	16.3
132.5°	9.3	9.3	7.0	4.7	4.7	4.7	4.7	4.7	9.3	14.0	14.0
135°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	7.0	9.3	11.6
137.5°	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	7.0	7.0	9.3
140°	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	4.7	7.0	7.0
142.5°	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	4.7	7.0	7.0
145°	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	4.7	7.0	7.0
147.5°	7.0	4.7	4.7	4.7	2.3	2.3	4.7	4.7	4.7	7.0	7.0
150°	7.0	4.7	4.7	2.3	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)