

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: P695624

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-730-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5836 lumens  
Efficiency: N/A  
Efficacy: 94.1 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: B1 - U3 - G3

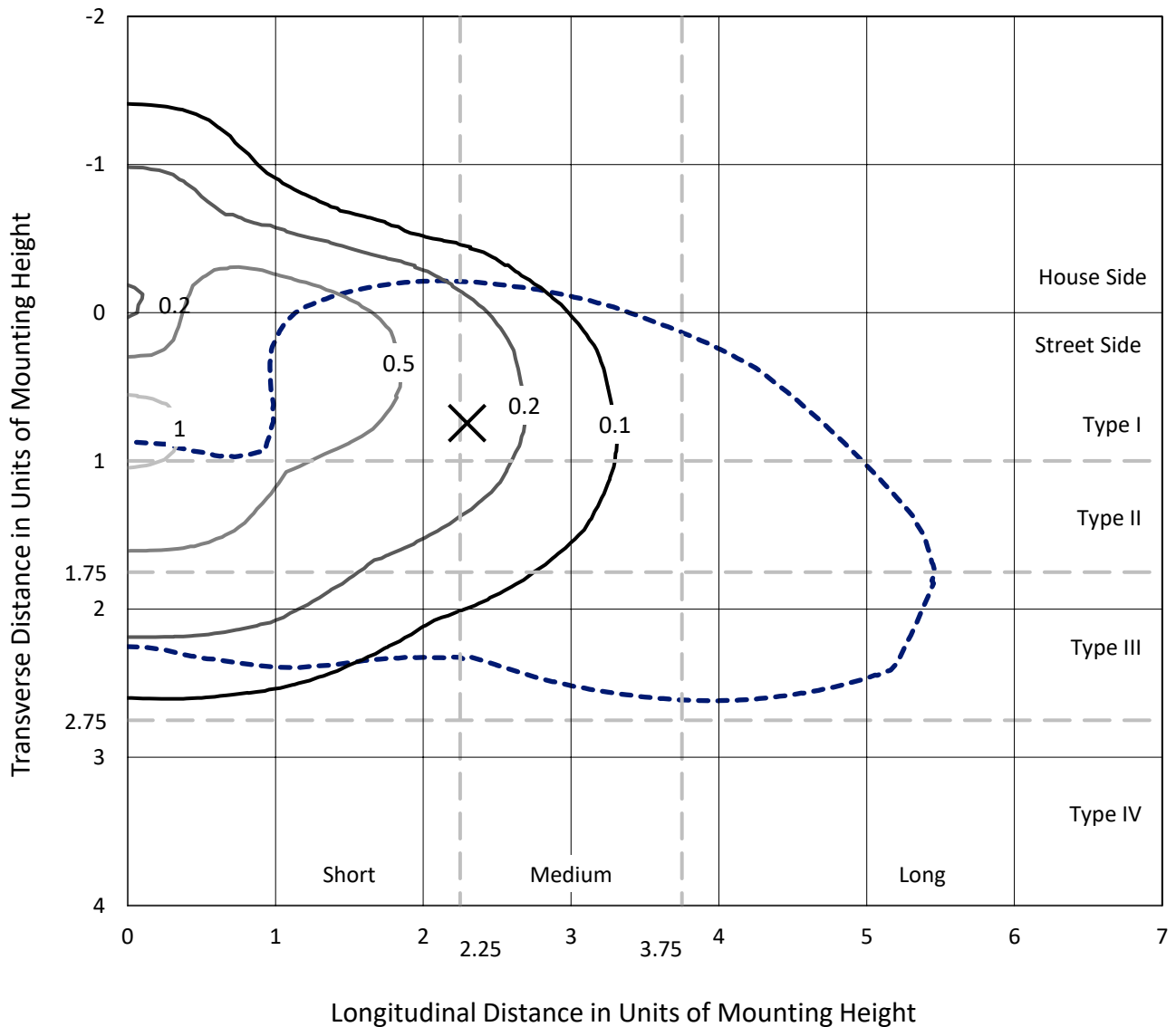
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

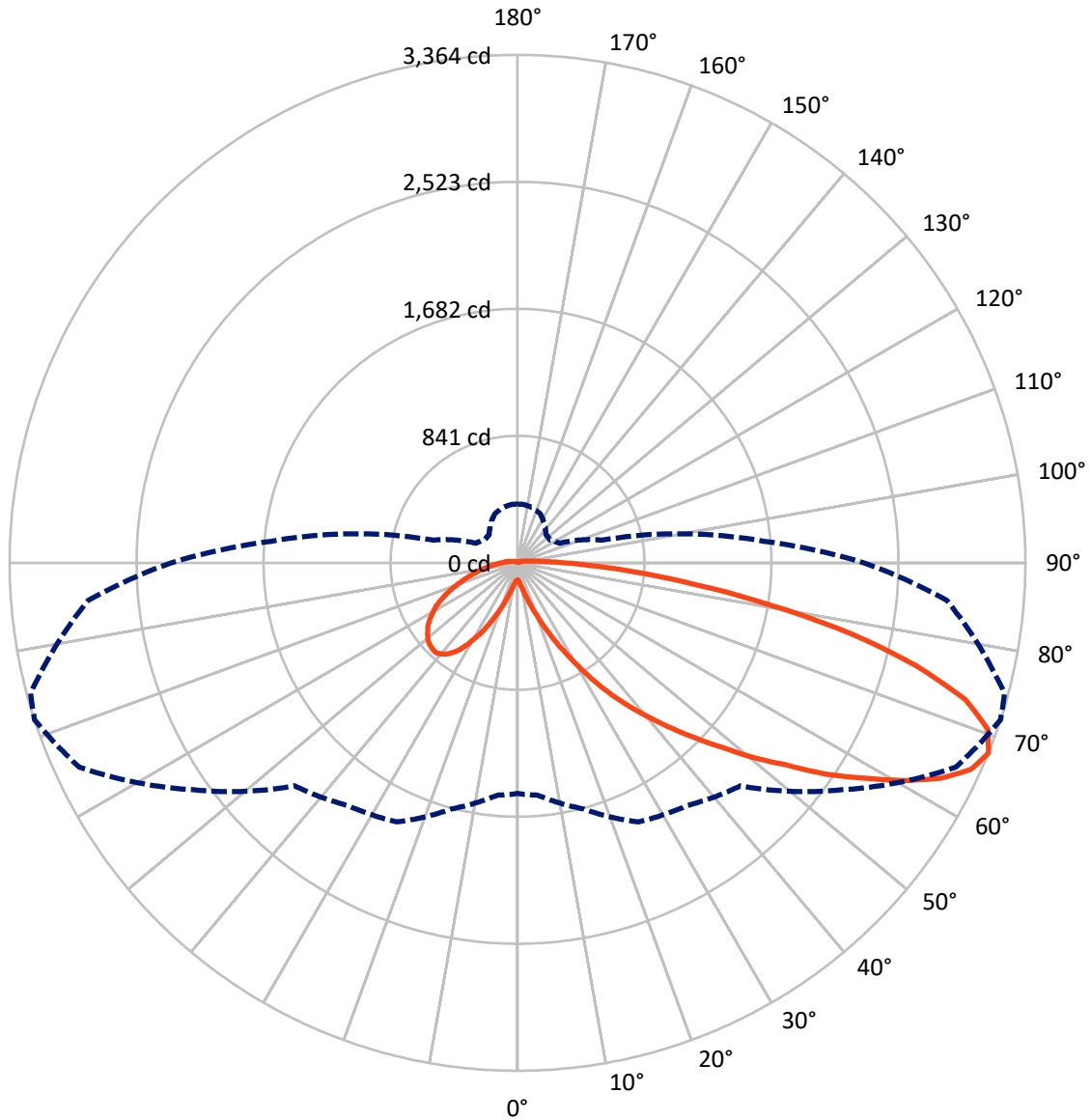
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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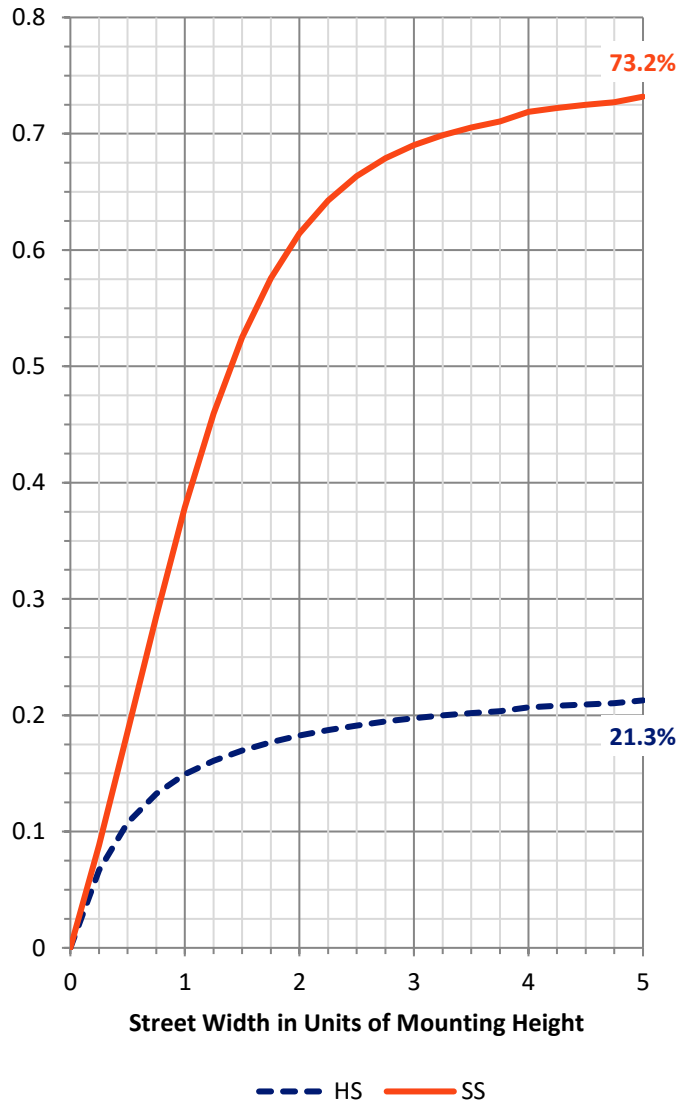
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1303.6	97.9	1401.5
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	4344.4	90.2	4434.6
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	5647.9	188.1	5836.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	0.2
10°-20°	68.8	1.2
20°-30°	220.9	3.8
30°-40°	494.0	8.5
40°-50°	823.6	14.1
50°-60°	1198.8	20.5
60°-70°	1436.8	24.6
70°-80°	1031.5	17.7
80°-90°	360.4	6.2
90°-100°	98.7	1.7
100°-110°	42.3	0.7
110°-120°	21.8	0.4
120°-130°	12.9	0.2
130°-140°	8.0	0.1
140°-150°	4.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5647.9	96.8
0°-180°	5836.0	100.0

**Coefficient of Utilization**

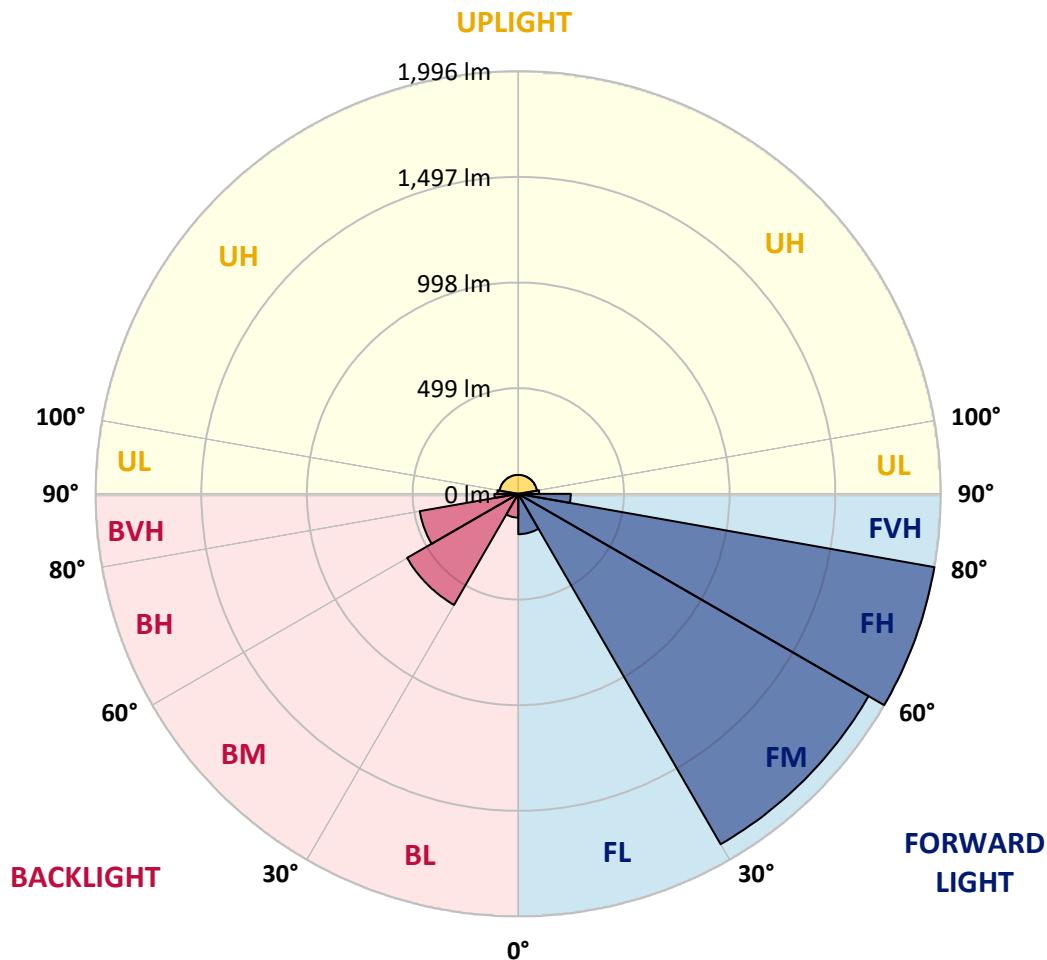


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 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.4	3.3			
FM (30°-60°)	1910.5	32.7			
FH (60°-80°)	1995.6	34.2			G2/5000
FVH (80°-90°)	247.8	4.2			G3/500
BL (0°-30°)	112.4	1.9	B1/500		
BM (30°-60°)	605.9	10.4	B1/1000		
BH (60°-80°)	472.7	8.1	B1/500		G1/500
BVH (80°-90°)	112.6	1.9			G2/225
UL (90°-100°)	98.7	1.7		U3/500	
UH (100°-180°)	89.4	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8
2.5°	121.1	121.1	121.1	123.3	121.1	121.1	121.1	119.0	119.0	119.0	116.9
5°	140.3	140.3	138.1	138.1	136.0	136.0	133.9	131.8	129.6	127.5	125.4
7.5°	163.6	163.6	161.5	161.5	159.4	155.1	153.0	148.8	146.6	144.5	142.4
10°	199.8	197.7	197.7	195.5	191.3	187.0	182.8	176.4	172.2	170.0	165.8
12.5°	246.5	244.4	242.3	233.8	229.5	223.2	216.8	212.5	208.3	204.0	197.7
15°	306.0	303.9	297.5	291.2	276.3	269.9	261.4	259.3	255.0	252.9	242.3
17.5°	378.3	371.9	367.7	352.8	337.9	323.0	318.8	314.5	312.4	310.3	303.9
20°	467.6	461.2	452.7	425.1	408.1	391.1	380.4	382.6	380.4	380.4	374.1
22.5°	576.0	578.1	554.7	518.6	480.3	459.1	454.8	461.2	465.4	469.7	456.9
25°	707.7	705.6	669.5	620.6	571.7	542.0	537.7	550.5	565.3	573.8	563.2
27.5°	854.4	843.7	807.6	735.4	673.7	629.1	631.2	658.8	673.7	680.1	671.6
30°	1007.4	1003.1	950.0	862.9	773.6	718.4	726.9	767.2	794.9	809.7	788.5
32.5°	1173.2	1160.4	1098.8	996.8	879.9	811.9	831.0	888.4	933.0	935.1	924.5
35°	1330.4	1330.4	1258.2	1134.9	990.4	909.6	933.0	1026.5	1071.2	1083.9	1060.5
37.5°	1485.6	1475.0	1413.3	1260.3	1100.9	1005.3	1037.2	1147.7	1209.3	1222.1	1192.3
40°	1615.2	1613.1	1543.0	1398.5	1200.8	1098.8	1141.3	1277.3	1349.6	1370.8	1321.9
42.5°	1747.0	1738.5	1683.2	1519.6	1319.8	1194.4	1251.8	1417.6	1498.3	1511.1	1460.1
45°	1844.8	1838.4	1798.0	1647.1	1432.5	1296.4	1368.7	1557.9	1657.7	1670.5	1591.9
47.5°	1938.3	1938.3	1904.3	1778.9	1549.4	1411.2	1502.6	1723.6	1827.8	1849.0	1759.8
50°	2029.7	2021.2	2012.7	1904.3	1668.4	1538.7	1634.4	1897.9	2027.5	2048.8	1925.5
52.5°	2082.8	2095.6	2106.2	2031.8	1802.3	1659.9	1793.8	2087.1	2223.1	2252.8	2118.9
55°	2131.7	2125.3	2174.2	2125.3	1917.0	1793.8	1972.3	2303.8	2467.5	2478.1	2327.2
57.5°	2129.6	2135.9	2208.2	2212.4	2029.7	1917.0	2140.2	2518.5	2688.5	2724.6	2518.5
60°	2078.6	2095.6	2189.1	2233.7	2118.9	2027.5	2314.5	2743.8	2928.7	2964.8	2707.6
62.5°	1974.4	1980.8	2114.7	2212.4	2144.4	2112.6	2469.6	2952.1	3143.3	3141.2	2852.2
65°	1778.9	1789.5	1931.9	2091.3	2097.7	2133.8	2575.9	3122.1	3300.6	3287.9	2898.9
67.5°	1528.1	1545.1	1687.5	1893.7	1961.7	2089.2	2620.5	3202.8	3364.4	3338.9	2854.3
70°	1213.6	1256.1	1368.7	1585.5	1759.8	1946.8	2561.0	3181.6	3304.9	3270.9	2671.5
72.5°	892.6	911.8	1030.8	1243.3	1458.0	1736.4	2367.6	3005.2	3105.1	3024.3	2384.6
75°	627.0	633.3	733.2	916.0	1147.7	1449.5	2076.4	2663.0	2733.1	2654.5	1989.3
77.5°	386.8	399.6	478.2	629.1	843.7	1156.2	1689.6	2218.8	2263.5	2161.4	1551.5
80°	238.0	246.5	301.8	416.6	586.6	843.7	1307.1	1685.4	1700.2	1630.1	1109.4
82.5°	153.0	161.5	197.7	267.8	391.1	588.7	920.3	1200.8	1192.3	1117.9	748.1
85°	99.9	106.3	129.6	178.5	259.3	405.9	614.2	797.0	777.9	722.6	486.7
87.5°	65.9	70.1	91.4	125.4	178.5	269.9	395.3	482.4	471.8	435.7	303.9
90°	44.6	46.8	63.8	87.1	125.4	184.9	255.0	291.2	272.0	257.2	197.7
92.5°	31.9	36.1	46.8	65.9	95.6	131.8	165.8	180.7	170.0	163.6	133.9
95°	25.5	25.5	38.3	53.1	74.4	99.9	116.9	116.9	110.5	108.4	97.8
97.5°	21.3	21.3	31.9	44.6	61.6	78.6	85.0	82.9	78.6	80.8	74.4
100°	17.0	19.1	27.6	38.3	51.0	63.8	65.9	61.6	59.5	59.5	57.4
102.5°	14.9	17.0	25.5	34.0	44.6	53.1	55.3	51.0	46.8	46.8	44.6
105°	14.9	14.9	21.3	29.8	38.3	44.6	44.6	40.4	38.3	36.1	34.0
107.5°	12.8	12.8	19.1	27.6	34.0	38.3	38.3	34.0	29.8	29.8	27.6
110°	10.6	12.8	17.0	23.4	29.8	34.0	34.0	29.8	25.5	23.4	23.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.6	10.6	14.9	21.3	25.5	29.8	27.6	23.4	21.3	19.1	19.1
115°	10.6	10.6	12.8	19.1	23.4	25.5	25.5	21.3	17.0	17.0	17.0
117.5°	10.6	10.6	12.8	17.0	21.3	23.4	21.3	19.1	14.9	14.9	14.9
120°	10.6	10.6	12.8	14.9	19.1	21.3	19.1	17.0	12.8	12.8	14.9
122.5°	8.5	10.6	10.6	14.9	17.0	19.1	17.0	14.9	12.8	12.8	12.8
125°	8.5	10.6	10.6	12.8	14.9	17.0	14.9	12.8	10.6	10.6	12.8
127.5°	8.5	8.5	10.6	12.8	14.9	14.9	14.9	12.8	10.6	10.6	12.8
130°	8.5	10.6	10.6	10.6	12.8	14.9	12.8	10.6	10.6	10.6	10.6
132.5°	8.5	8.5	10.6	10.6	12.8	12.8	10.6	10.6	8.5	8.5	10.6
135°	8.5	8.5	8.5	10.6	10.6	10.6	10.6	8.5	8.5	8.5	10.6
137.5°	8.5	8.5	8.5	8.5	10.6	10.6	8.5	8.5	8.5	8.5	8.5
140°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	6.4	8.5	8.5	8.5
142.5°	8.5	8.5	8.5	6.4	8.5	6.4	6.4	6.4	6.4	6.4	8.5
145°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
147.5°	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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: P695624

CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8
2.5°	114.8	114.8	114.8	112.6	112.6	112.6	110.5	110.5	110.5	110.5	110.5
5°	125.4	123.3	121.1	119.0	114.8	114.8	112.6	112.6	110.5	110.5	110.5
7.5°	140.3	138.1	133.9	129.6	125.4	121.1	119.0	116.9	114.8	114.8	114.8
10°	161.5	159.4	150.9	144.5	138.1	133.9	129.6	127.5	125.4	123.3	123.3
12.5°	193.4	191.3	180.7	167.9	157.3	148.8	142.4	140.3	138.1	136.0	138.1
15°	238.0	233.8	218.9	197.7	182.8	167.9	161.5	159.4	161.5	161.5	159.4
17.5°	297.5	286.9	263.5	235.9	212.5	193.4	184.9	184.9	184.9	187.0	187.0
20°	365.6	354.9	320.9	282.7	244.4	221.0	210.4	210.4	212.5	214.7	218.9
22.5°	446.3	429.3	384.7	329.4	280.5	248.7	235.9	235.9	242.3	248.7	248.7
25°	546.2	525.0	459.1	378.3	316.7	276.3	259.3	261.4	272.0	278.4	280.5
27.5°	654.6	627.0	539.8	435.7	348.6	297.5	280.5	284.8	297.5	308.2	308.2
30°	777.9	731.1	614.2	484.6	376.2	314.5	297.5	306.0	320.9	333.7	335.8
32.5°	890.5	843.7	699.2	531.3	399.6	325.2	308.2	320.9	337.9	352.8	352.8
35°	1015.9	956.4	769.4	567.5	412.3	331.5	314.5	331.5	350.7	363.4	363.4
37.5°	1137.0	1054.2	824.6	588.7	416.6	331.5	316.7	337.9	354.9	365.6	367.7
40°	1247.6	1149.8	865.0	595.1	412.3	327.3	316.7	337.9	354.9	361.3	363.4
42.5°	1366.6	1230.6	894.8	588.7	401.7	320.9	314.5	335.8	350.7	352.8	354.9
45°	1485.6	1319.8	903.3	567.5	386.8	312.4	308.2	329.4	342.2	342.2	342.2
47.5°	1615.2	1407.0	903.3	542.0	367.7	303.9	303.9	325.2	333.7	331.5	331.5
50°	1751.3	1489.8	896.9	512.2	350.7	295.4	297.5	320.9	329.4	323.0	323.0
52.5°	1893.7	1579.1	875.6	476.1	331.5	286.9	295.4	318.8	327.3	320.9	320.9
55°	2065.8	1666.2	852.2	442.1	314.5	280.5	293.3	318.8	327.3	320.9	320.9
57.5°	2186.9	1742.8	816.1	410.2	301.8	276.3	293.3	323.0	331.5	327.3	327.3
60°	2327.2	1793.8	769.4	378.3	289.0	272.0	297.5	327.3	340.0	340.0	340.0
62.5°	2403.7	1806.5	720.5	350.7	280.5	269.9	301.8	335.8	352.8	354.9	357.1
65°	2403.7	1751.3	652.5	327.3	272.0	267.8	306.0	346.4	367.7	374.1	376.2
67.5°	2295.3	1636.5	580.2	306.0	263.5	265.7	310.3	357.1	378.3	388.9	388.9
70°	2116.8	1455.8	503.7	284.8	255.0	263.5	312.4	361.3	384.7	395.3	395.3
72.5°	1823.5	1245.4	431.4	267.8	246.5	259.3	310.3	361.3	382.6	391.1	388.9
75°	1477.1	994.6	361.3	248.7	235.9	248.7	299.7	350.7	367.7	371.9	371.9
77.5°	1149.8	758.7	303.9	227.4	221.0	235.9	284.8	329.4	344.3	346.4	344.3
80°	818.2	548.3	255.0	208.3	204.0	216.8	259.3	297.5	310.3	312.4	308.2
82.5°	550.5	393.2	208.3	182.8	182.8	195.5	231.7	261.4	272.0	269.9	267.8
85°	357.1	265.7	170.0	157.3	159.4	172.2	197.7	221.0	227.4	225.3	218.9
87.5°	233.8	187.0	136.0	133.9	136.0	146.6	165.8	178.5	187.0	182.8	180.7
90°	159.4	133.9	110.5	110.5	114.8	123.3	136.0	142.4	144.5	144.5	142.4
92.5°	116.9	104.1	91.4	91.4	97.8	104.1	110.5	112.6	116.9	114.8	112.6
95°	89.3	85.0	76.5	76.5	82.9	89.3	91.4	89.3	93.5	93.5	91.4
97.5°	70.1	70.1	65.9	65.9	70.1	74.4	76.5	74.4	76.5	74.4	74.4
100°	55.3	55.3	57.4	57.4	59.5	63.8	63.8	63.8	63.8	61.6	59.5
102.5°	44.6	46.8	48.9	51.0	53.1	53.1	55.3	53.1	53.1	48.9	48.9
105°	36.1	36.1	40.4	42.5	44.6	46.8	46.8	46.8	44.6	40.4	40.4
107.5°	29.8	31.9	34.0	38.3	38.3	40.4	42.5	40.4	36.1	31.9	34.0
110°	23.4	25.5	29.8	31.9	34.0	36.1	36.1	34.0	29.8	27.6	27.6

REPORT NUMBER: P695624  
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.3	21.3	25.5	27.6	29.8	31.9	31.9	29.8	25.5	23.4	23.4
115°	19.1	19.1	21.3	23.4	25.5	27.6	27.6	25.5	21.3	19.1	19.1
117.5°	17.0	17.0	19.1	21.3	23.4	25.5	23.4	23.4	19.1	17.0	17.0
120°	14.9	17.0	17.0	19.1	21.3	21.3	21.3	19.1	17.0	17.0	17.0
122.5°	14.9	14.9	17.0	17.0	19.1	19.1	19.1	17.0	14.9	14.9	14.9
125°	12.8	14.9	14.9	14.9	17.0	17.0	17.0	14.9	12.8	12.8	12.8
127.5°	12.8	12.8	12.8	14.9	14.9	14.9	14.9	12.8	12.8	12.8	12.8
130°	12.8	12.8	12.8	12.8	12.8	14.9	12.8	12.8	10.6	12.8	12.8
132.5°	10.6	10.6	10.6	12.8	12.8	12.8	12.8	10.6	10.6	10.6	10.6
135°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
137.5°	10.6	10.6	10.6	10.6	10.6	10.6	8.5	8.5	8.5	10.6	10.6
140°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
142.5°	8.5	8.5	8.5	6.4	6.4	6.4	6.4	6.4	6.4	8.5	8.5
145°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
147.5°	6.4	6.4	6.4	4.3	4.3	4.3	4.3	6.4	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4
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)