

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: P695893

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695893  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-730-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6375 lumens  
Efficiency: N/A  
Efficacy: 88.5 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

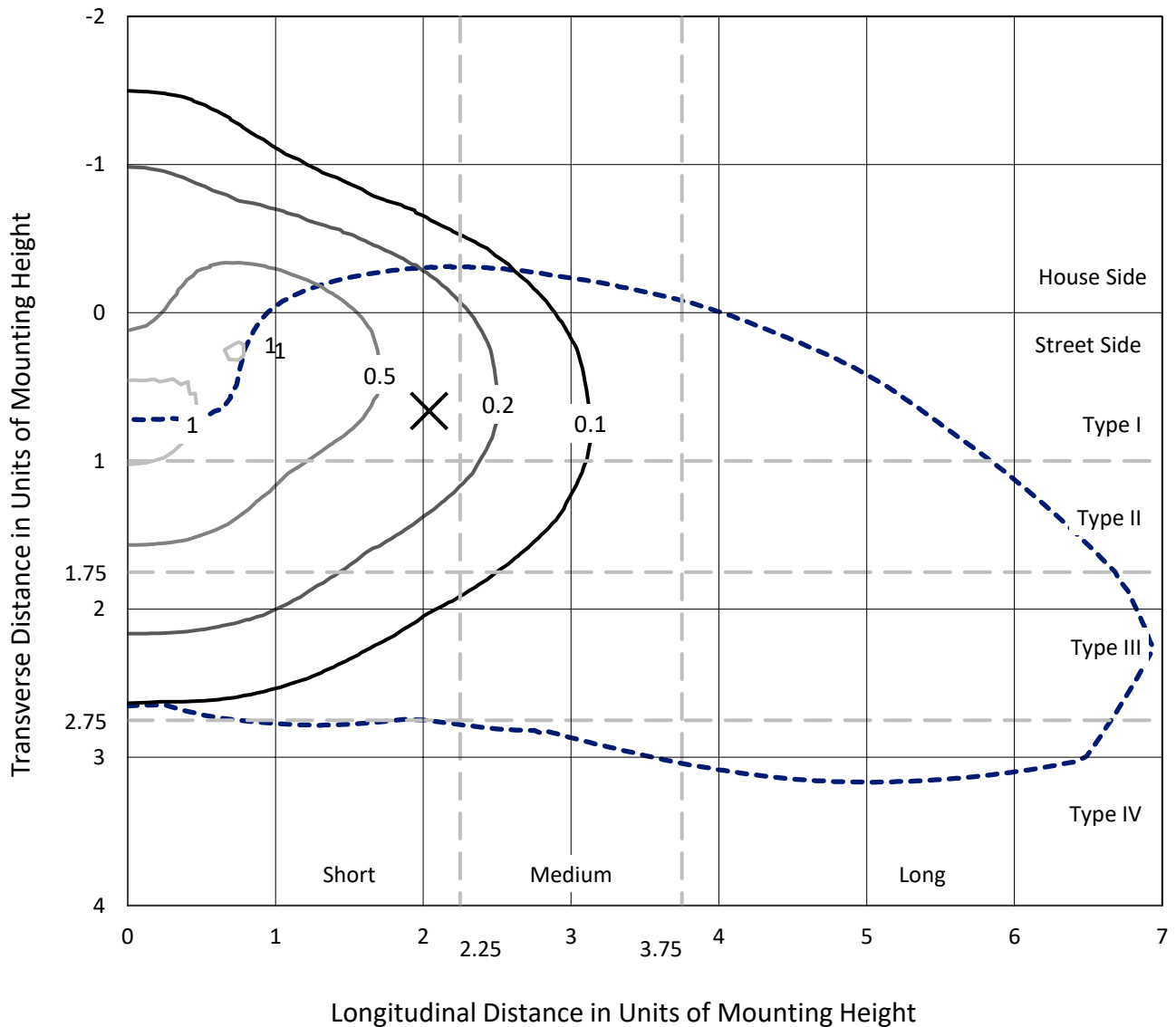
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

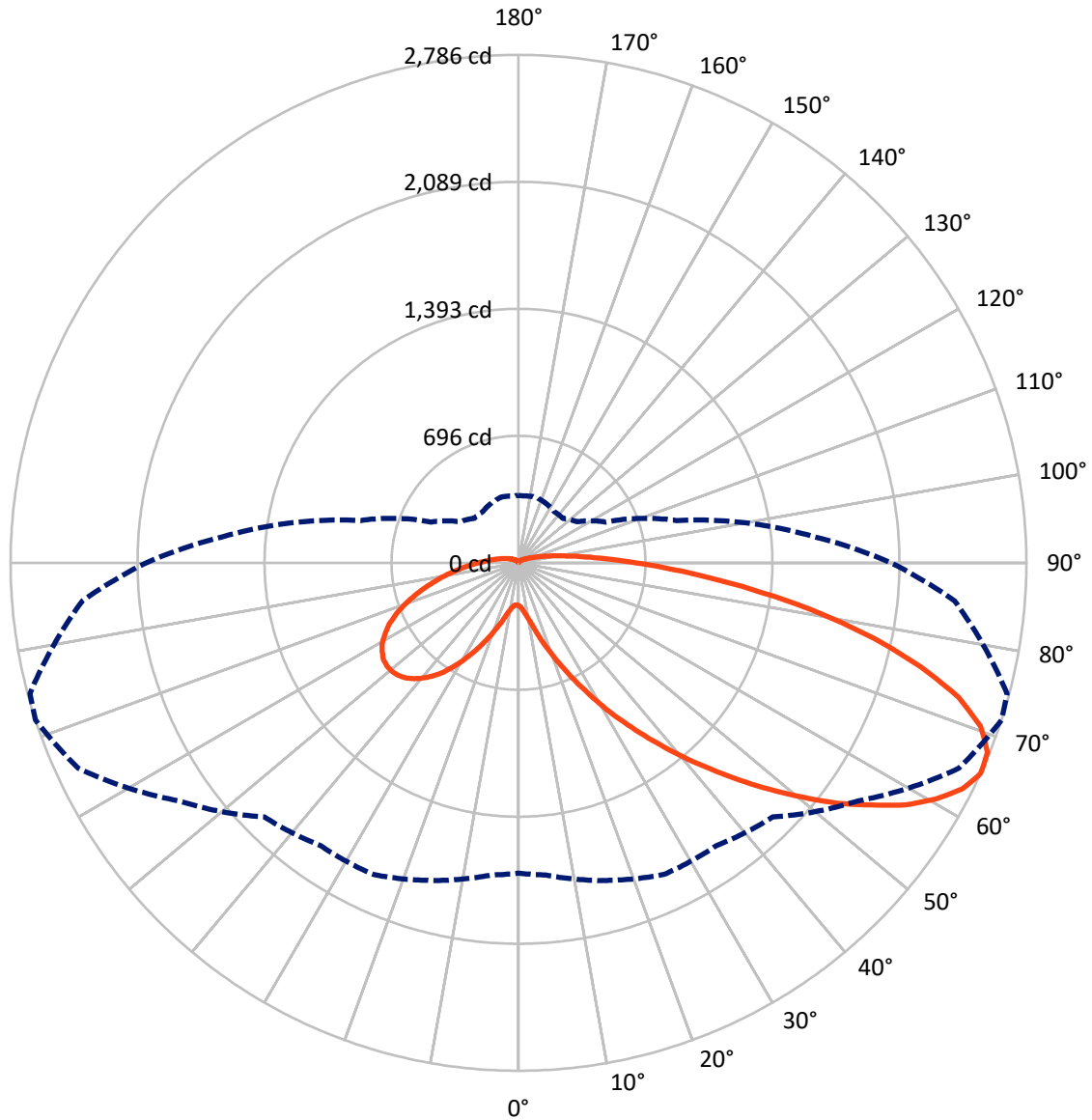
× Max cd  
 - - - 1/2 Max cd



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

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CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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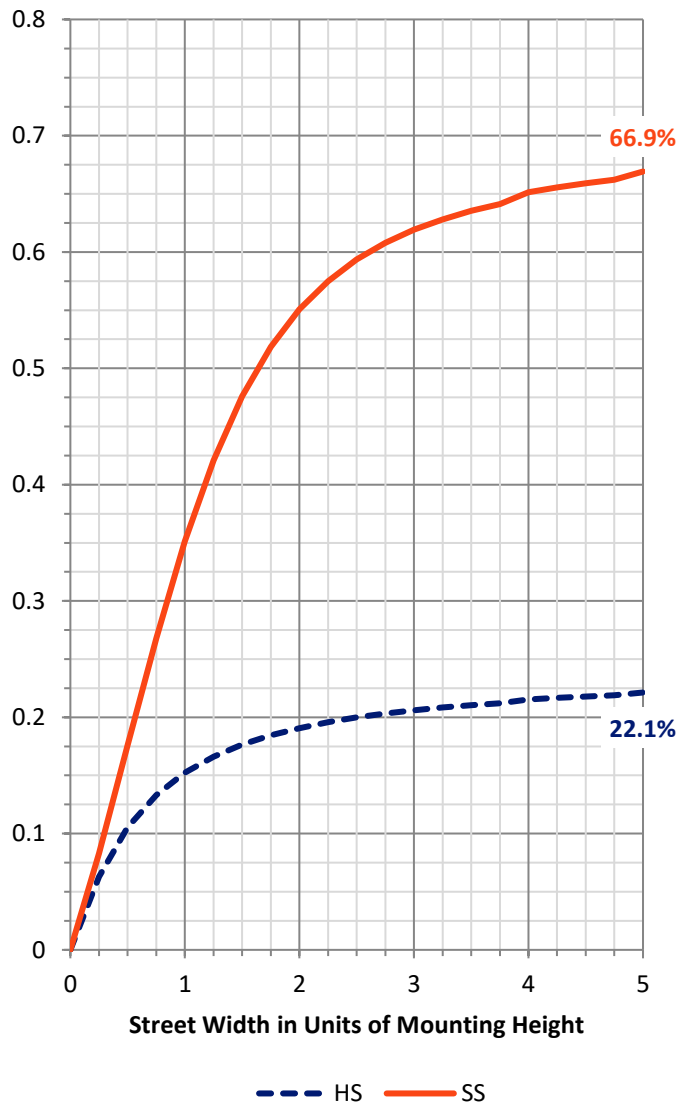
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1489.8	188.4	1678.2
	% Fixture	23.4	3.0	26.3
<b>Street Side</b>	Lumens	4430.2	266.7	4696.8
	% Fixture	69.5	4.2	73.7
<b>Total</b>	Lumens	5919.9	455.1	6375.0
	% Fixture	92.9	7.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.7	0.4
10°-20°	103.7	1.6
20°-30°	267.0	4.2
30°-40°	531.2	8.3
40°-50°	864.7	13.6
50°-60°	1197.0	18.8
60°-70°	1337.2	21.0
70°-80°	1046.9	16.4
80°-90°	547.5	8.6
90°-100°	238.2	3.7
100°-110°	109.8	1.7
110°-120°	55.9	0.9
120°-130°	30.0	0.5
130°-140°	15.1	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°	5919.9	92.9
0°-180°	6375.0	100.0

**Coefficient of Utilization**



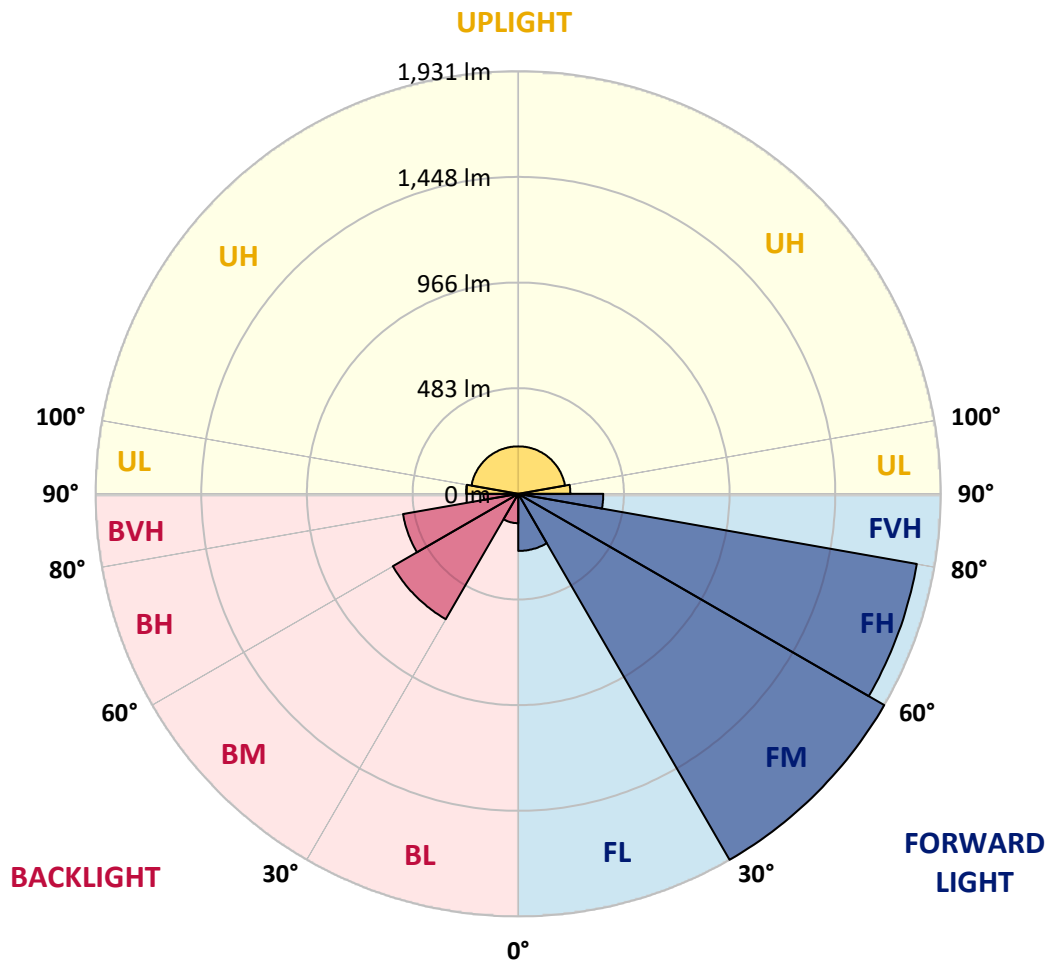
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 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.0	4.1			
FM (30°-60°)	1931.1	30.3			
FH (60°-80°)	1849.5	29.0			G2/5000
FVH (80°-90°)	388.6	6.1			G3/500
BL (0°-30°)	134.4	2.1	B1/500		
BM (30°-60°)	661.7	10.4	B1/1000		
BH (60°-80°)	534.7	8.4	B2/1000		G2/1000
BVH (80°-90°)	159.0	2.5			G2/225
UL (90°-100°)	238.2	3.7		U3/500	
UH (100°-180°)	216.9	3.4		U3/500	

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1
2.5°	254.9	257.3	257.3	254.9	254.9	252.6	250.2	245.5	243.1	243.1	238.4
5°	288.0	290.3	288.0	285.6	283.3	276.2	273.8	266.7	262.0	259.7	250.2
7.5°	330.5	330.5	328.1	323.4	318.7	314.0	302.2	292.7	285.6	280.9	269.1
10°	375.3	375.3	373.0	370.6	363.5	351.7	339.9	328.1	316.3	314.0	297.4
12.5°	436.7	432.0	427.3	420.2	413.1	401.3	384.8	370.6	358.8	356.4	337.6
15°	498.1	500.4	491.0	479.2	469.8	455.6	441.4	429.6	415.5	410.7	384.8
17.5°	568.9	571.3	564.2	554.7	538.2	524.0	505.2	488.6	479.2	469.8	439.1
20°	656.2	656.2	649.2	630.3	613.7	597.2	580.7	561.8	545.3	538.2	505.2
22.5°	748.3	745.9	736.5	712.9	691.6	670.4	656.2	637.3	625.5	616.1	578.3
25°	859.2	852.2	838.0	809.7	781.3	755.4	734.1	727.1	710.5	701.1	665.7
27.5°	967.8	972.5	948.9	911.2	871.0	845.1	826.2	816.8	804.9	800.2	755.4
30°	1102.4	1092.9	1067.0	1019.8	963.1	927.7	918.3	915.9	915.9	906.5	859.2
32.5°	1227.5	1218.0	1189.7	1133.1	1064.6	1019.8	1012.7	1019.8	1024.5	1022.1	963.1
35°	1355.0	1345.5	1312.5	1251.1	1159.0	1107.1	1107.1	1135.4	1142.5	1137.8	1078.8
37.5°	1475.3	1470.6	1437.6	1355.0	1267.6	1203.9	1213.3	1258.2	1270.0	1267.6	1192.1
40°	1591.0	1591.0	1558.0	1468.3	1362.0	1298.3	1314.8	1383.3	1406.9	1404.5	1321.9
42.5°	1709.0	1704.3	1673.6	1586.3	1463.5	1392.7	1423.4	1508.4	1546.2	1550.9	1451.7
45°	1810.5	1805.8	1782.2	1685.4	1562.7	1489.5	1534.4	1650.0	1699.6	1697.2	1579.2
47.5°	1897.9	1895.5	1879.0	1789.3	1659.5	1591.0	1654.7	1796.4	1857.8	1857.8	1723.2
50°	1968.7	1971.1	1959.3	1886.1	1749.2	1687.8	1775.1	1945.1	2020.6	2020.6	1860.1
52.5°	2013.6	2018.3	2023.0	1954.5	1834.2	1777.5	1890.8	2100.9	2190.6	2188.2	1999.4
55°	2027.7	2032.4	2056.0	2013.6	1902.6	1860.1	2006.5	2252.0	2344.0	2336.9	2126.9
57.5°	2004.1	2013.6	2053.7	2039.5	1949.8	1926.2	2103.3	2381.8	2504.5	2497.5	2244.9
60°	1945.1	1956.9	2013.6	2030.1	1968.7	1971.1	2193.0	2511.6	2629.7	2624.9	2336.9
62.5°	1841.2	1860.1	1933.3	1978.1	1952.2	1989.9	2252.0	2610.8	2731.2	2724.1	2391.2
65°	1702.0	1718.5	1803.5	1886.1	1893.2	1971.1	2275.6	2665.1	2785.5	2773.7	2400.7
67.5°	1536.7	1529.6	1638.2	1744.4	1786.9	1902.6	2244.9	2658.0	2773.7	2752.4	2341.7
70°	1333.7	1333.7	1444.7	1550.9	1640.6	1796.4	2159.9	2582.4	2688.7	2658.0	2228.4
72.5°	1095.3	1121.3	1218.0	1343.2	1454.1	1642.9	2027.7	2433.7	2523.4	2488.0	2037.2
75°	897.0	918.3	1003.2	1128.3	1255.8	1465.9	1831.8	2218.9	2277.9	2242.5	1803.5
77.5°	720.0	729.4	821.5	927.7	1059.9	1251.1	1598.1	1949.8	1992.3	1954.5	1539.1
80°	554.7	578.3	642.1	743.6	871.0	1057.5	1355.0	1635.9	1676.0	1633.5	1258.2
82.5°	436.7	443.8	502.8	599.6	708.2	866.3	1114.2	1329.0	1347.9	1298.3	1015.0
85°	337.6	342.3	391.9	474.5	568.9	696.4	889.9	1045.7	1050.4	1022.1	793.1
87.5°	257.3	266.7	311.6	377.7	457.9	568.9	701.1	809.7	802.6	781.3	618.5
90°	203.0	207.7	240.8	299.8	365.9	448.5	547.6	618.5	604.3	594.9	467.4
92.5°	160.5	162.9	198.3	243.1	297.4	363.5	429.6	476.8	457.9	450.9	356.4
95°	127.5	132.2	158.2	198.3	243.1	292.7	337.6	361.2	349.4	337.6	276.2
97.5°	103.9	106.2	129.8	162.9	200.6	238.4	269.1	278.5	266.7	262.0	214.8
100°	87.3	87.3	108.6	136.9	165.2	195.9	214.8	219.5	210.1	198.3	165.2
102.5°	73.2	73.2	89.7	115.7	141.6	162.9	174.7	174.7	162.9	155.8	132.2
105°	61.4	63.7	75.5	99.1	120.4	136.9	146.4	139.3	129.8	125.1	106.2
107.5°	54.3	54.3	66.1	85.0	103.9	115.7	120.4	113.3	103.9	96.8	85.0
110°	49.6	49.6	56.7	73.2	89.7	101.5	101.5	94.4	82.6	77.9	70.8

REPORT NUMBER: P695893  
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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	42.5	44.9	49.6	63.7	77.9	87.3	87.3	77.9	68.5	63.7	59.0
115°	40.1	40.1	44.9	56.7	68.5	75.5	75.5	66.1	56.7	54.3	49.6
117.5°	35.4	35.4	40.1	49.6	59.0	66.1	63.7	56.7	47.2	44.9	42.5
120°	33.0	33.0	35.4	42.5	51.9	56.7	54.3	47.2	40.1	37.8	37.8
122.5°	30.7	30.7	33.0	37.8	47.2	49.6	47.2	40.1	35.4	33.0	35.4
125°	28.3	28.3	30.7	35.4	40.1	42.5	40.1	33.0	30.7	30.7	30.7
127.5°	28.3	28.3	28.3	30.7	35.4	37.8	35.4	28.3	26.0	26.0	28.3
130°	26.0	26.0	26.0	28.3	30.7	33.0	28.3	23.6	23.6	23.6	23.6
132.5°	23.6	23.6	23.6	23.6	26.0	26.0	23.6	21.2	21.2	21.2	21.2
135°	21.2	21.2	21.2	21.2	21.2	21.2	18.9	16.5	18.9	18.9	18.9
137.5°	18.9	18.9	18.9	18.9	18.9	16.5	16.5	14.2	16.5	16.5	16.5
140°	16.5	16.5	16.5	16.5	14.2	14.2	11.8	11.8	11.8	14.2	14.2
142.5°	14.2	14.2	14.2	14.2	11.8	9.4	9.4	9.4	11.8	11.8	11.8
145°	11.8	11.8	11.8	9.4	9.4	7.1	7.1	7.1	9.4	9.4	9.4
147.5°	9.4	9.4	9.4	7.1	7.1	4.7	4.7	4.7	7.1	7.1	7.1
150°	7.1	7.1	7.1	4.7	4.7	2.4	2.4	4.7	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



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 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1
2.5°	236.1	236.1	231.3	229.0	226.6	224.3	221.9	219.5	219.5	219.5	219.5
5°	247.9	240.8	233.7	226.6	219.5	214.8	207.7	205.4	203.0	200.6	200.6
7.5°	262.0	257.3	243.1	231.3	219.5	210.1	203.0	195.9	191.2	188.8	188.8
10°	288.0	278.5	262.0	243.1	226.6	212.4	200.6	191.2	186.5	184.1	184.1
12.5°	325.8	311.6	288.0	262.0	238.4	219.5	205.4	193.6	186.5	186.5	184.1
15°	370.6	354.1	323.4	290.3	257.3	231.3	214.8	205.4	198.3	195.9	195.9
17.5°	422.5	406.0	365.9	321.0	285.6	252.6	231.3	219.5	212.4	207.7	207.7
20°	486.3	462.7	410.7	358.8	311.6	280.9	250.2	236.1	226.6	221.9	219.5
22.5°	554.7	528.8	465.0	398.9	344.6	304.5	271.5	250.2	238.4	236.1	233.7
25°	637.3	599.6	521.7	441.4	377.7	328.1	290.3	264.4	254.9	250.2	250.2
27.5°	724.7	679.8	583.1	486.3	408.4	347.0	304.5	278.5	269.1	266.7	264.4
30°	816.8	764.8	646.8	535.8	436.7	365.9	321.0	295.1	283.3	280.9	280.9
32.5°	918.3	856.9	710.5	573.6	457.9	377.7	330.5	306.9	295.1	295.1	295.1
35°	1017.4	946.6	776.6	613.7	476.8	387.1	339.9	318.7	306.9	309.2	309.2
37.5°	1123.6	1045.7	833.3	642.1	491.0	394.2	344.6	328.1	321.0	321.0	321.0
40°	1239.3	1128.3	885.2	663.3	495.7	396.6	349.4	335.2	330.5	330.5	332.8
42.5°	1350.2	1225.1	930.1	679.8	498.1	396.6	351.7	342.3	339.9	339.9	339.9
45°	1461.2	1310.1	970.2	684.6	495.7	394.2	354.1	347.0	347.0	347.0	347.0
47.5°	1581.6	1395.1	998.5	682.2	488.6	389.5	354.1	349.4	354.1	351.7	351.7
50°	1687.8	1475.3	1017.4	675.1	479.2	384.8	351.7	354.1	358.8	356.4	356.4
52.5°	1798.7	1546.2	1026.8	658.6	465.0	377.7	351.7	356.4	361.2	358.8	358.8
55°	1897.9	1607.5	1026.8	639.7	453.2	373.0	351.7	358.8	365.9	363.5	363.5
57.5°	1978.1	1650.0	1010.3	613.7	436.7	365.9	349.4	358.8	368.2	365.9	365.9
60°	2039.5	1673.6	986.7	587.8	422.5	358.8	347.0	358.8	370.6	365.9	368.2
62.5°	2065.5	1671.3	944.2	557.1	408.4	351.7	344.6	358.8	370.6	368.2	368.2
65°	2041.9	1631.1	897.0	528.8	391.9	344.6	342.3	358.8	373.0	368.2	368.2
67.5°	1973.4	1553.2	835.6	493.4	375.3	337.6	337.6	356.4	370.6	365.9	365.9
70°	1848.3	1439.9	764.8	462.7	358.8	328.1	330.5	349.4	363.5	363.5	361.2
72.5°	1680.7	1293.6	686.9	427.3	342.3	316.3	321.0	342.3	354.1	354.1	351.7
75°	1484.8	1123.6	609.0	394.2	323.4	304.5	309.2	328.1	342.3	339.9	337.6
77.5°	1251.1	951.3	533.5	358.8	302.2	288.0	295.1	314.0	325.8	321.0	318.7
80°	1036.3	800.2	465.0	323.4	280.9	271.5	278.5	292.7	302.2	299.8	297.4
82.5°	828.6	646.8	394.2	290.3	259.7	252.6	259.7	271.5	278.5	276.2	271.5
85°	644.4	524.0	337.6	257.3	236.1	231.3	238.4	247.9	252.6	247.9	245.5
87.5°	507.5	410.7	280.9	226.6	212.4	210.1	214.8	224.3	229.0	224.3	217.2
90°	396.6	330.5	238.4	200.6	191.2	191.2	193.6	200.6	200.6	195.9	193.6
92.5°	309.2	264.4	200.6	174.7	170.0	170.0	174.7	177.0	177.0	170.0	167.6
95°	243.1	212.4	170.0	153.4	151.1	151.1	155.8	155.8	153.4	146.4	144.0
97.5°	191.2	172.3	146.4	134.6	132.2	134.6	136.9	136.9	132.2	125.1	122.7
100°	153.4	141.6	122.7	118.0	118.0	120.4	120.4	118.0	113.3	106.2	106.2
102.5°	125.1	115.7	106.2	103.9	103.9	106.2	106.2	103.9	99.1	89.7	89.7
105°	101.5	94.4	89.7	89.7	92.1	92.1	92.1	89.7	82.6	75.5	75.5
107.5°	82.6	80.3	77.9	77.9	80.3	82.6	82.6	77.9	70.8	66.1	66.1
110°	68.5	68.5	68.5	68.5	70.8	73.2	73.2	68.5	61.4	56.7	56.7

REPORT NUMBER: P695893  
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	59.0	56.7	59.0	61.4	63.7	66.1	63.7	59.0	51.9	49.6	49.6
115°	49.6	49.6	51.9	54.3	56.7	56.7	56.7	51.9	44.9	42.5	42.5
117.5°	44.9	44.9	44.9	47.2	49.6	51.9	49.6	44.9	37.8	37.8	37.8
120°	37.8	37.8	40.1	42.5	44.9	44.9	42.5	37.8	33.0	33.0	33.0
122.5°	35.4	35.4	35.4	37.8	40.1	40.1	37.8	33.0	28.3	30.7	30.7
125°	30.7	30.7	30.7	33.0	35.4	35.4	33.0	28.3	26.0	26.0	26.0
127.5°	28.3	28.3	28.3	28.3	30.7	30.7	28.3	26.0	23.6	23.6	23.6
130°	26.0	26.0	26.0	26.0	26.0	26.0	23.6	21.2	21.2	21.2	21.2
132.5°	21.2	21.2	21.2	21.2	23.6	23.6	21.2	18.9	18.9	18.9	18.9
135°	18.9	18.9	18.9	18.9	18.9	18.9	16.5	16.5	16.5	16.5	16.5
137.5°	16.5	16.5	16.5	16.5	16.5	16.5	14.2	14.2	14.2	14.2	14.2
140°	14.2	14.2	14.2	14.2	14.2	11.8	11.8	11.8	11.8	14.2	14.2
142.5°	11.8	11.8	11.8	11.8	9.4	9.4	9.4	9.4	11.8	11.8	11.8
145°	9.4	9.4	9.4	9.4	7.1	7.1	7.1	9.4	9.4	9.4	9.4
147.5°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	7.1	7.1	9.4	9.4
150°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	7.1	7.1	7.1
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)