

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: P695853

Luminaire Tested: **LXF.LXT-PA16-727-U-T2R-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695853  
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-PA16-727-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1340mA 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: 5756 lumens  
Efficiency: N/A  
Efficacy: 79.9 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: B1 - U3 - G3

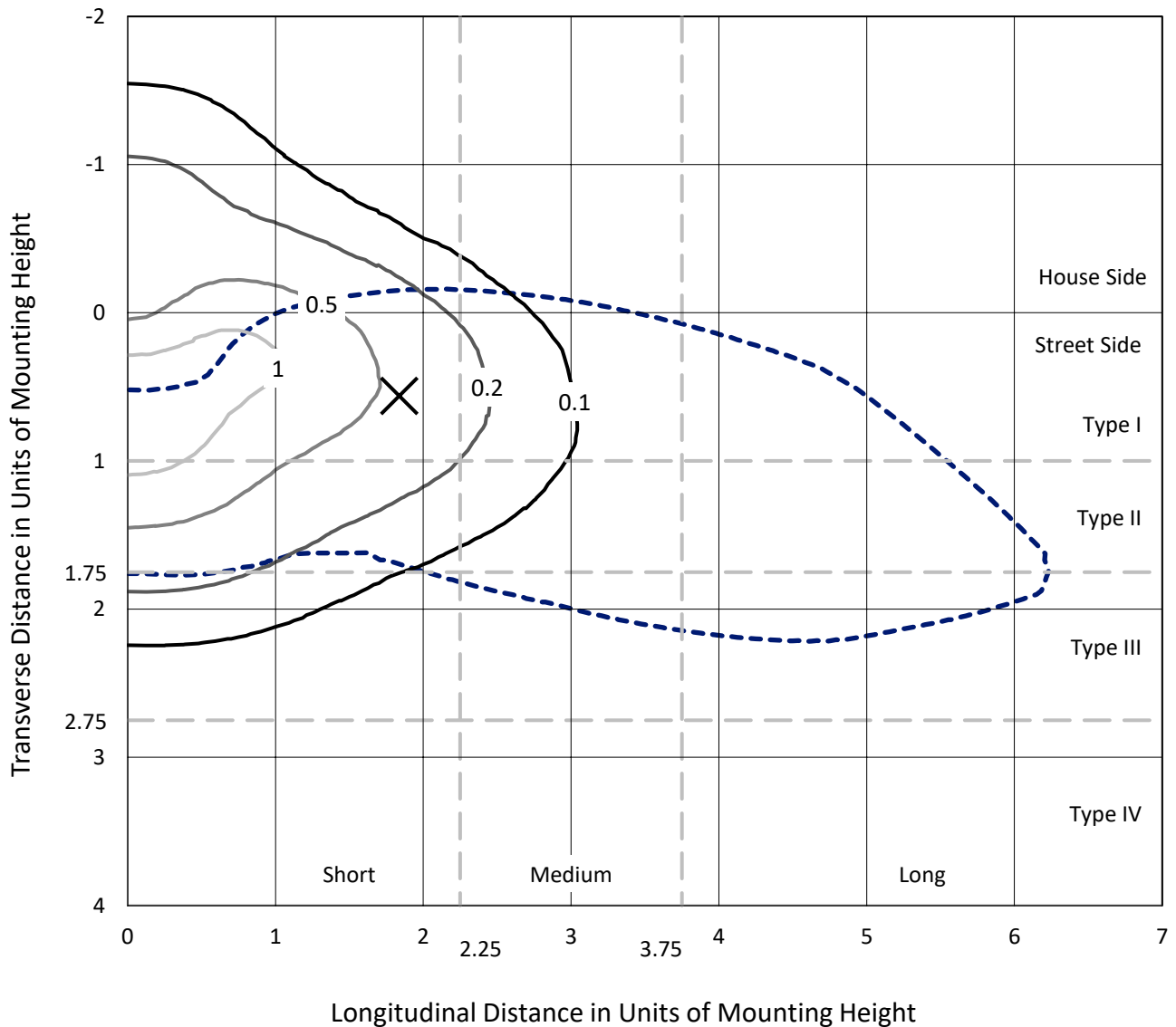
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695853  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

### Iso-Footcandle Lines of Horizontal Illumination

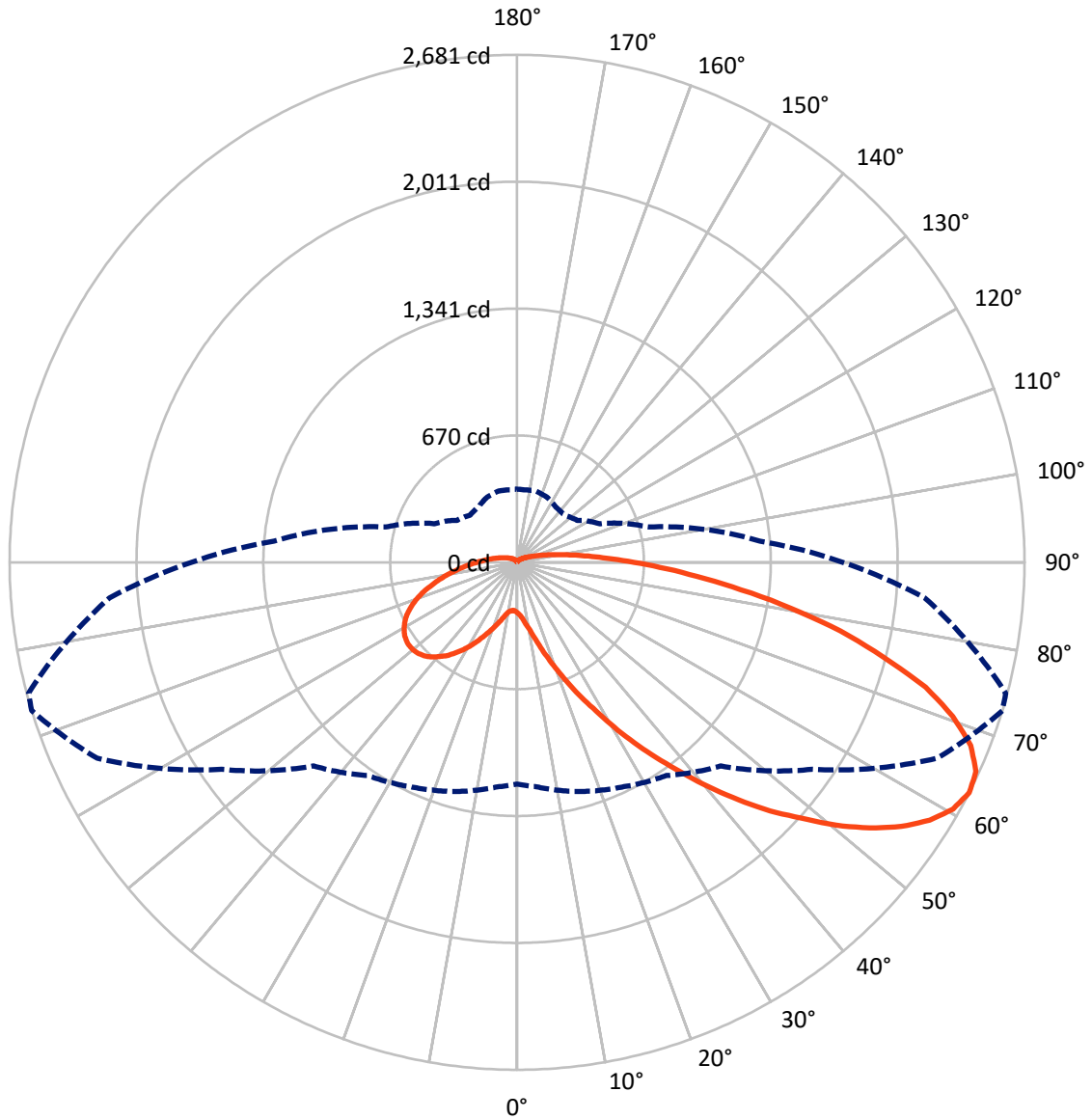
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P695853  
CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695853  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

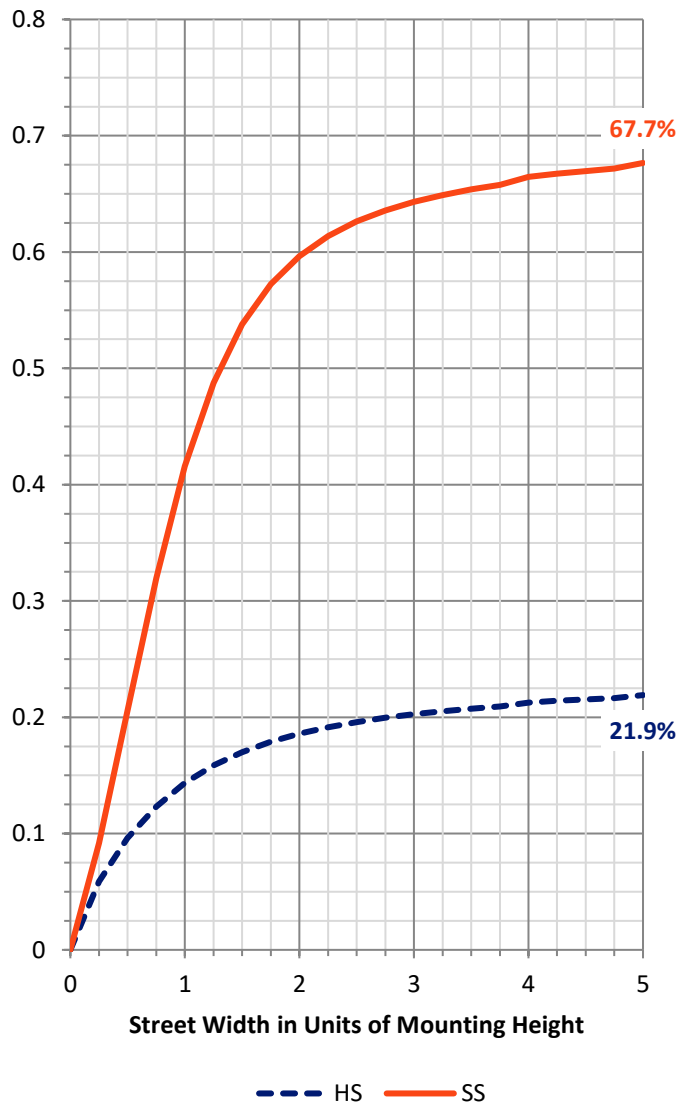
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1331.5	174.1	1505.5
	% Fixture	23.1	3.0	26.2
<b>Street Side</b>	Lumens	4007.2	243.3	4250.5
	% Fixture	69.6	4.2	73.8
<b>Total</b>	Lumens	5338.7	417.3	5756.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.9	0.5
10°-20°	117.3	2.0
20°-30°	302.6	5.3
30°-40°	592.6	10.3
40°-50°	905.2	15.7
50°-60°	1102.6	19.2
60°-70°	1066.3	18.5
70°-80°	787.5	13.7
80°-90°	436.6	7.6
90°-100°	207.3	3.6
100°-110°	102.1	1.8
110°-120°	54.9	1.0
120°-130°	30.5	0.5
130°-140°	15.9	0.3
140°-150°	6.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5338.7	92.7
0°-180°	5756.0	100.0

**Coefficient of Utilization**



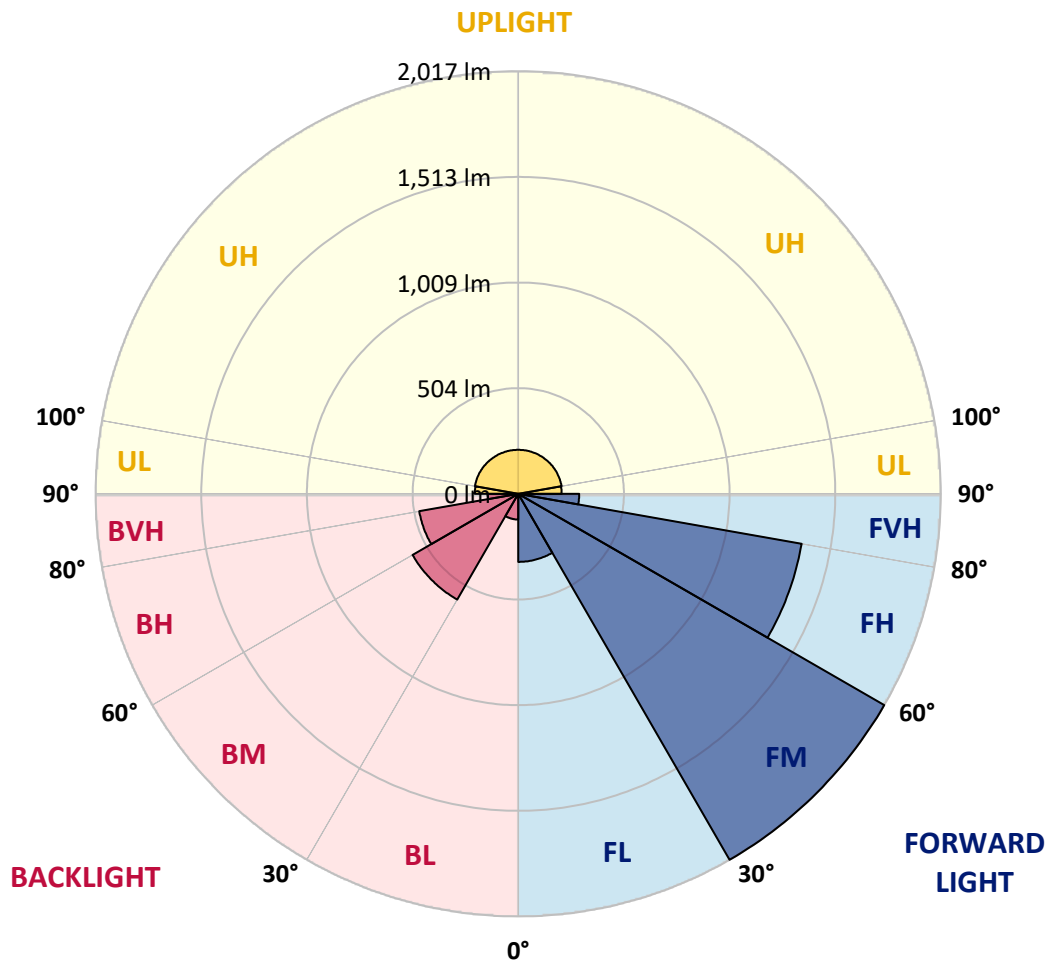
REPORT NUMBER: P695853  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.0	5.6			
FM (30°-60°)	2017.4	35.0			
FH (60°-80°)	1373.9	23.9			G1/1800
FVH (80°-90°)	290.8	5.1			G3/500
BL (0°-30°)	122.8	2.1	B1/500		
BM (30°-60°)	583.0	10.1	B1/1000		
BH (60°-80°)	479.9	8.3	B1/500		G1/500
BVH (80°-90°)	145.8	2.5			G2/225
UL (90°-100°)	207.3	3.6		U3/500	
UH (100°-180°)	210.0	3.6		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short



REPORT NUMBER: P695853  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3
2.5°	302.0	299.9	302.0	299.9	295.5	291.2	286.8	280.3	278.1	276.0	269.4
5°	352.0	354.2	352.0	343.3	339.0	330.3	321.6	308.6	297.7	295.5	282.5
7.5°	412.9	410.7	408.5	402.0	391.1	375.9	360.7	343.3	328.1	323.8	302.0
10°	484.6	478.0	480.2	465.0	452.0	432.4	412.9	386.8	360.7	356.4	328.1
12.5°	567.1	565.0	560.6	541.1	521.5	499.8	469.4	436.8	408.5	399.8	365.1
15°	667.1	658.4	654.1	632.3	606.2	578.0	541.1	501.9	467.2	460.7	410.7
17.5°	777.9	767.0	754.0	725.8	699.7	662.7	619.3	575.8	534.5	525.9	462.8
20°	893.1	888.7	873.5	838.8	799.6	760.5	712.7	660.6	608.4	597.6	525.9
22.5°	1032.1	1027.8	1001.7	958.3	910.5	864.8	810.5	754.0	695.3	678.0	593.2
25°	1184.2	1171.2	1140.8	1086.5	1032.1	969.1	914.8	854.0	790.9	769.2	671.4
27.5°	1338.5	1327.7	1286.4	1225.5	1151.7	1082.1	1021.3	962.6	888.7	877.9	751.8
30°	1490.6	1490.6	1436.3	1366.8	1269.0	1190.8	1132.1	1077.8	1010.4	995.2	849.6
32.5°	1642.7	1638.4	1592.8	1499.3	1390.7	1299.4	1242.9	1197.3	1136.4	1108.2	956.1
35°	1784.0	1781.8	1721.0	1621.0	1501.5	1405.9	1358.1	1327.7	1266.8	1242.9	1062.6
37.5°	1914.4	1905.7	1838.3	1736.2	1590.6	1497.2	1468.9	1466.7	1405.9	1375.5	1175.6
40°	2003.4	1996.9	1938.3	1823.1	1673.2	1581.9	1579.7	1603.6	1560.2	1527.6	1292.9
42.5°	2057.8	2049.1	2001.3	1888.3	1738.3	1653.6	1679.7	1740.5	1716.6	1679.7	1412.4
45°	2070.8	2064.3	2025.2	1920.9	1781.8	1712.3	1768.8	1877.4	1873.1	1838.3	1529.7
47.5°	2038.2	2038.2	2012.1	1925.2	1799.2	1751.4	1855.7	2010.0	2018.7	2001.3	1653.6
50°	1975.2	1970.9	1964.3	1894.8	1792.7	1773.1	1923.0	2144.7	2183.8	2157.7	1781.8
52.5°	1868.7	1866.6	1873.1	1834.0	1760.1	1770.9	1970.9	2259.9	2331.6	2307.7	1890.5
55°	1727.5	1723.1	1751.4	1740.5	1697.1	1744.9	1994.8	2353.3	2464.1	2442.4	1996.9
57.5°	1558.0	1549.3	1603.6	1623.2	1610.1	1694.9	1994.8	2418.5	2570.6	2551.0	2079.5
60°	1362.4	1368.9	1425.4	1479.8	1495.0	1618.8	1962.2	2451.1	2646.6	2633.6	2133.8
62.5°	1171.2	1190.8	1253.8	1310.3	1375.5	1521.1	1905.7	2448.9	2681.4	2672.7	2162.1
65°	988.7	1010.4	1073.4	1151.7	1232.1	1405.9	1818.7	2396.7	2664.0	2659.7	2149.0
67.5°	819.2	834.4	899.6	990.9	1086.5	1277.7	1697.1	2299.0	2585.8	2588.0	2088.2
70°	673.6	682.3	751.8	843.1	940.9	1134.3	1551.5	2144.7	2442.4	2448.9	1973.0
72.5°	554.1	569.3	621.5	706.2	810.5	1003.9	1397.2	1957.8	2257.7	2255.5	1818.7
75°	452.0	460.7	515.0	591.0	682.3	864.8	1229.9	1734.0	1996.9	2014.3	1618.8
77.5°	365.1	371.6	425.9	493.3	582.3	743.1	1058.2	1501.5	1747.0	1742.7	1408.1
80°	295.5	304.2	349.8	410.7	491.1	632.3	895.2	1258.1	1464.6	1468.9	1171.2
82.5°	236.8	245.5	286.8	341.2	419.4	530.2	751.8	1053.9	1192.9	1192.9	967.0
85°	189.0	197.7	236.8	284.7	347.7	449.8	617.1	843.1	951.7	958.3	782.3
87.5°	154.3	158.6	193.4	239.0	293.3	378.1	508.5	667.1	754.0	745.3	614.9
90°	123.9	128.2	158.6	197.7	247.7	317.2	415.0	538.9	584.5	582.3	480.2
92.5°	102.1	104.3	132.5	169.5	210.8	267.3	341.2	419.4	454.1	452.0	380.3
95°	84.7	86.9	113.0	143.4	180.4	226.0	278.1	336.8	358.5	354.2	297.7
97.5°	71.7	71.7	95.6	123.9	156.5	191.2	232.5	269.4	280.3	278.1	239.0
100°	60.8	60.8	80.4	108.6	136.9	165.1	193.4	215.1	219.5	221.6	189.0
102.5°	52.2	54.3	71.7	95.6	117.3	141.2	160.8	176.0	176.0	173.8	149.9
105°	47.8	47.8	60.8	82.6	104.3	121.7	136.9	145.6	141.2	136.9	119.5
107.5°	41.3	41.3	54.3	73.9	91.3	106.5	117.3	119.5	113.0	110.8	100.0
110°	36.9	39.1	47.8	65.2	82.6	93.4	100.0	100.0	93.4	91.3	82.6

REPORT NUMBER: P695853  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	34.8	34.8	43.5	58.7	71.7	82.6	86.9	84.7	78.2	76.1	69.5
115°	32.6	32.6	39.1	52.2	65.2	73.9	76.1	71.7	65.2	63.0	58.7
117.5°	30.4	30.4	34.8	45.6	58.7	65.2	67.4	60.8	54.3	54.3	52.2
120°	28.2	28.2	32.6	41.3	52.2	58.7	58.7	52.2	47.8	45.6	45.6
122.5°	28.2	28.2	30.4	36.9	45.6	50.0	52.2	45.6	41.3	39.1	39.1
125°	26.1	26.1	28.2	32.6	41.3	45.6	43.5	39.1	34.8	34.8	34.8
127.5°	26.1	26.1	26.1	30.4	34.8	39.1	39.1	34.8	30.4	30.4	32.6
130°	23.9	23.9	23.9	26.1	30.4	34.8	32.6	28.2	26.1	26.1	28.2
132.5°	23.9	23.9	23.9	23.9	26.1	30.4	28.2	23.9	23.9	23.9	23.9
135°	21.7	21.7	21.7	21.7	23.9	23.9	23.9	21.7	19.6	21.7	21.7
137.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	17.4	17.4	17.4	19.6
140°	17.4	17.4	17.4	17.4	15.2	15.2	15.2	13.0	15.2	15.2	17.4
142.5°	17.4	17.4	15.2	15.2	13.0	13.0	10.9	10.9	13.0	13.0	13.0
145°	15.2	15.2	13.0	10.9	8.7	8.7	8.7	8.7	8.7	10.9	10.9
147.5°	10.9	10.9	10.9	8.7	6.5	4.3	4.3	6.5	6.5	6.5	8.7
150°	8.7	8.7	8.7	6.5	4.3	2.2	2.2	4.3	4.3	4.3	6.5
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: P695853  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3
2.5°	267.3	265.1	258.6	254.2	249.9	247.7	243.4	241.2	241.2	239.0	241.2
5°	276.0	269.4	256.4	245.5	234.7	226.0	219.5	215.1	212.9	210.8	208.6
7.5°	291.2	280.3	260.8	243.4	226.0	212.9	202.1	195.6	191.2	186.9	186.9
10°	312.9	297.7	269.4	245.5	223.8	206.4	191.2	182.5	178.2	173.8	173.8
12.5°	345.5	325.9	289.0	252.1	226.0	204.3	189.0	178.2	173.8	171.7	169.5
15°	386.8	362.9	315.1	271.6	234.7	206.4	191.2	186.9	182.5	180.4	180.4
17.5°	434.6	402.0	343.3	291.2	249.9	219.5	204.3	197.7	195.6	193.4	191.2
20°	486.7	449.8	375.9	312.9	267.3	241.2	219.5	212.9	210.8	208.6	208.6
22.5°	549.8	499.8	410.7	336.8	289.0	258.6	239.0	228.2	226.0	226.0	223.8
25°	614.9	560.6	449.8	362.9	310.7	278.1	256.4	245.5	243.4	245.5	245.5
27.5°	691.0	621.5	491.1	391.1	332.5	293.3	273.8	262.9	262.9	267.3	267.3
30°	773.6	684.5	532.4	419.4	352.0	308.6	289.0	282.5	284.7	286.8	289.0
32.5°	854.0	751.8	571.5	447.6	367.2	321.6	304.2	302.0	304.2	308.6	308.6
35°	947.4	827.9	610.6	471.5	380.3	332.5	317.2	319.4	323.8	328.1	330.3
37.5°	1040.8	895.2	649.7	488.9	391.1	343.3	330.3	334.6	339.0	347.7	347.7
40°	1129.9	964.8	680.1	504.1	399.8	349.8	339.0	347.7	356.4	360.7	360.7
42.5°	1223.4	1034.3	712.7	515.0	406.3	356.4	347.7	360.7	369.4	371.6	371.6
45°	1319.0	1093.0	736.6	523.7	410.7	360.7	354.2	367.2	378.1	380.3	380.3
47.5°	1403.7	1147.3	754.0	525.9	410.7	362.9	358.5	373.7	384.6	384.6	384.6
50°	1492.8	1201.6	764.9	528.0	412.9	365.1	360.7	378.1	389.0	386.8	389.0
52.5°	1568.9	1245.1	769.2	523.7	410.7	362.9	362.9	382.4	393.3	389.0	389.0
55°	1636.2	1277.7	767.0	517.2	406.3	362.9	362.9	382.4	393.3	389.0	389.0
57.5°	1686.2	1297.2	758.4	508.5	402.0	360.7	362.9	382.4	393.3	389.0	389.0
60°	1716.6	1299.4	741.0	497.6	395.5	356.4	358.5	380.3	391.1	386.8	386.8
62.5°	1721.0	1288.6	719.2	482.4	386.8	352.0	356.4	378.1	389.0	384.6	386.8
65°	1697.1	1256.0	691.0	465.0	378.1	345.5	352.0	373.7	384.6	382.4	382.4
67.5°	1636.2	1199.5	651.9	443.3	365.1	336.8	345.5	365.1	380.3	375.9	375.9
70°	1538.4	1121.2	610.6	419.4	347.7	325.9	334.6	356.4	369.4	367.2	367.2
72.5°	1410.2	1027.8	560.6	391.1	330.3	312.9	323.8	343.3	354.2	354.2	352.0
75°	1256.0	923.5	506.3	360.7	310.7	297.7	310.7	325.9	334.6	332.5	330.3
77.5°	1090.8	810.5	454.1	330.3	289.0	280.3	291.2	308.6	312.9	310.7	306.4
80°	923.5	695.3	402.0	297.7	265.1	258.6	269.4	282.5	286.8	280.3	278.1
82.5°	771.4	580.2	349.8	267.3	241.2	236.8	247.7	256.4	256.4	252.1	245.5
85°	623.6	488.9	306.4	236.8	217.3	215.1	223.8	228.2	226.0	219.5	212.9
87.5°	501.9	399.8	262.9	210.8	193.4	191.2	197.7	199.9	195.6	186.9	182.5
90°	406.3	328.1	226.0	186.9	171.7	171.7	173.8	173.8	167.3	156.5	152.1
92.5°	323.8	269.4	195.6	163.0	154.3	149.9	152.1	149.9	141.2	134.7	128.2
95°	260.8	221.6	169.5	145.6	136.9	132.5	134.7	130.4	119.5	110.8	106.5
97.5°	210.8	182.5	145.6	128.2	121.7	117.3	117.3	110.8	104.3	93.4	89.1
100°	169.5	149.9	126.0	113.0	106.5	104.3	102.1	97.8	89.1	78.2	76.1
102.5°	136.9	126.0	108.6	100.0	95.6	93.4	91.3	84.7	76.1	65.2	65.2
105°	113.0	106.5	95.6	89.1	84.7	82.6	80.4	73.9	65.2	56.5	56.5
107.5°	93.4	89.1	82.6	78.2	76.1	73.9	71.7	65.2	56.5	47.8	50.0
110°	80.4	76.1	71.7	69.5	69.5	67.4	63.0	58.7	50.0	43.5	43.5

REPORT NUMBER: P695853  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	67.4	65.2	63.0	63.0	60.8	58.7	56.5	50.0	43.5	39.1	39.1
115°	58.7	56.5	56.5	56.5	54.3	54.3	50.0	45.6	36.9	34.8	34.8
117.5°	50.0	50.0	50.0	50.0	50.0	47.8	45.6	39.1	32.6	30.4	30.4
120°	45.6	45.6	43.5	43.5	43.5	43.5	39.1	34.8	28.2	28.2	28.2
122.5°	39.1	39.1	39.1	39.1	39.1	36.9	34.8	30.4	26.1	26.1	26.1
125°	34.8	34.8	34.8	36.9	34.8	34.8	30.4	26.1	21.7	23.9	23.9
127.5°	32.6	32.6	32.6	30.4	30.4	30.4	26.1	21.7	19.6	21.7	21.7
130°	28.2	28.2	28.2	28.2	28.2	26.1	23.9	19.6	17.4	19.6	19.6
132.5°	26.1	26.1	26.1	23.9	23.9	21.7	19.6	17.4	15.2	17.4	17.4
135°	21.7	21.7	21.7	21.7	19.6	19.6	17.4	13.0	15.2	15.2	15.2
137.5°	19.6	19.6	19.6	17.4	17.4	15.2	13.0	10.9	13.0	13.0	13.0
140°	17.4	17.4	17.4	15.2	13.0	13.0	10.9	10.9	10.9	13.0	13.0
142.5°	13.0	13.0	13.0	13.0	10.9	8.7	8.7	8.7	10.9	10.9	10.9
145°	10.9	10.9	10.9	8.7	8.7	6.5	6.5	6.5	8.7	8.7	8.7
147.5°	8.7	8.7	8.7	6.5	6.5	4.3	4.3	6.5	8.7	8.7	8.7
150°	6.5	6.5	6.5	4.3	4.3	2.2	4.3	4.3	6.5	6.5	6.5
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)