

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: P695403

Luminaire Tested: **LXF.LXT-PA16-50-740-U-T2R-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695403  
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-PA16-50-740-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 980mA 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: 5452 lumens  
Efficiency: N/A  
Efficacy: 102.7 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

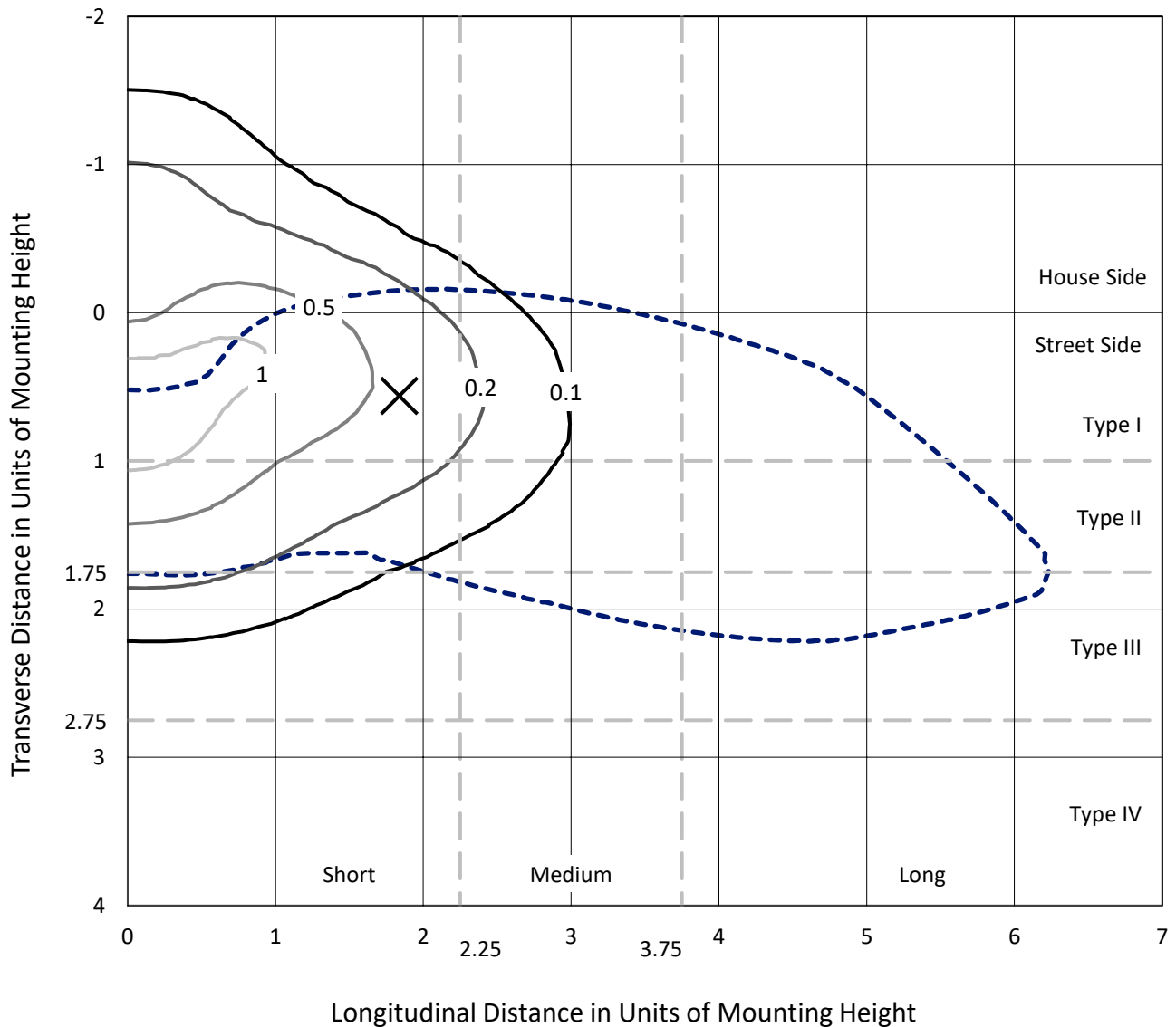
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695403  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

### Iso-Footcandle Lines of Horizontal Illumination

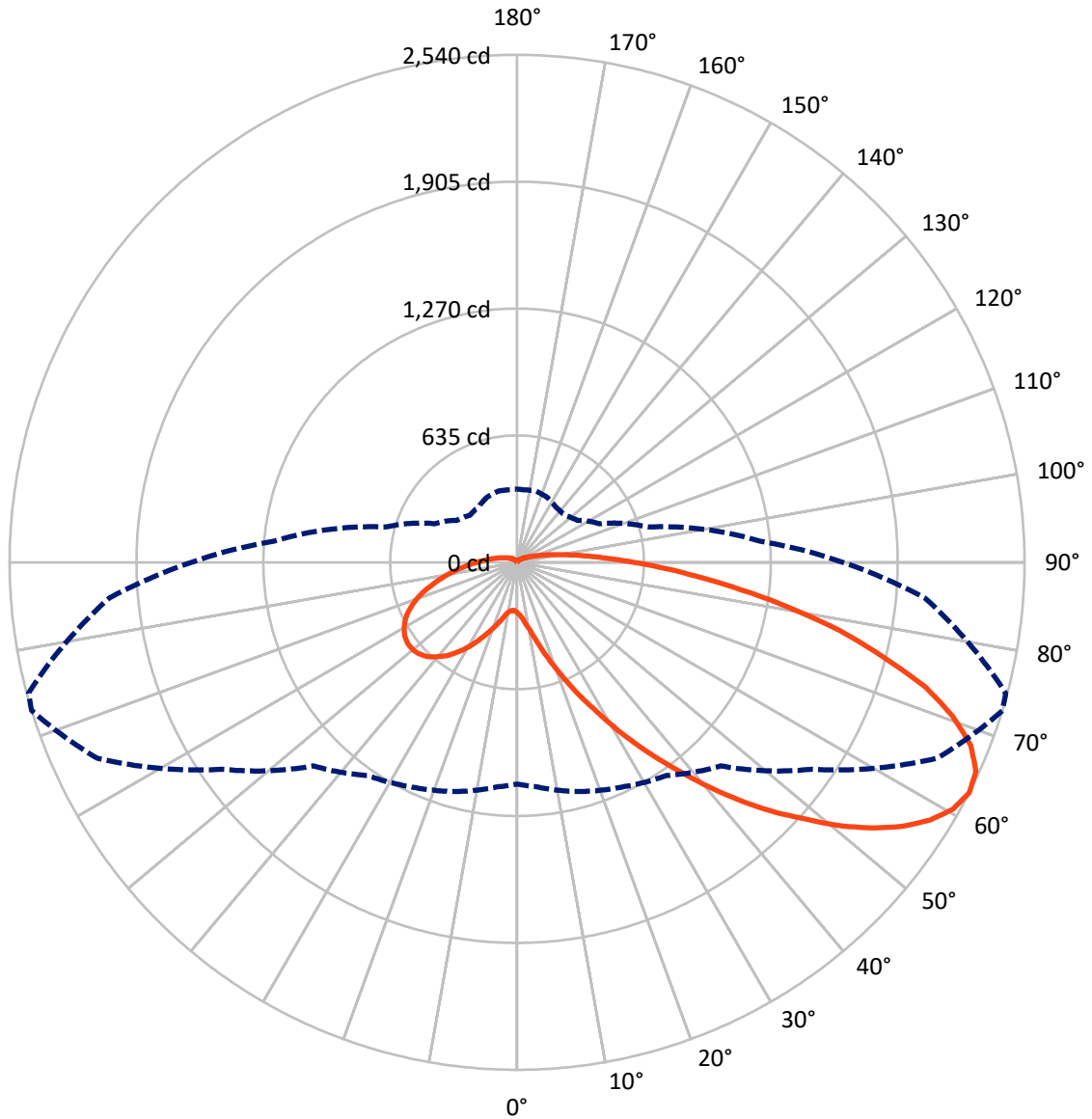
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P695403  
CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695403  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

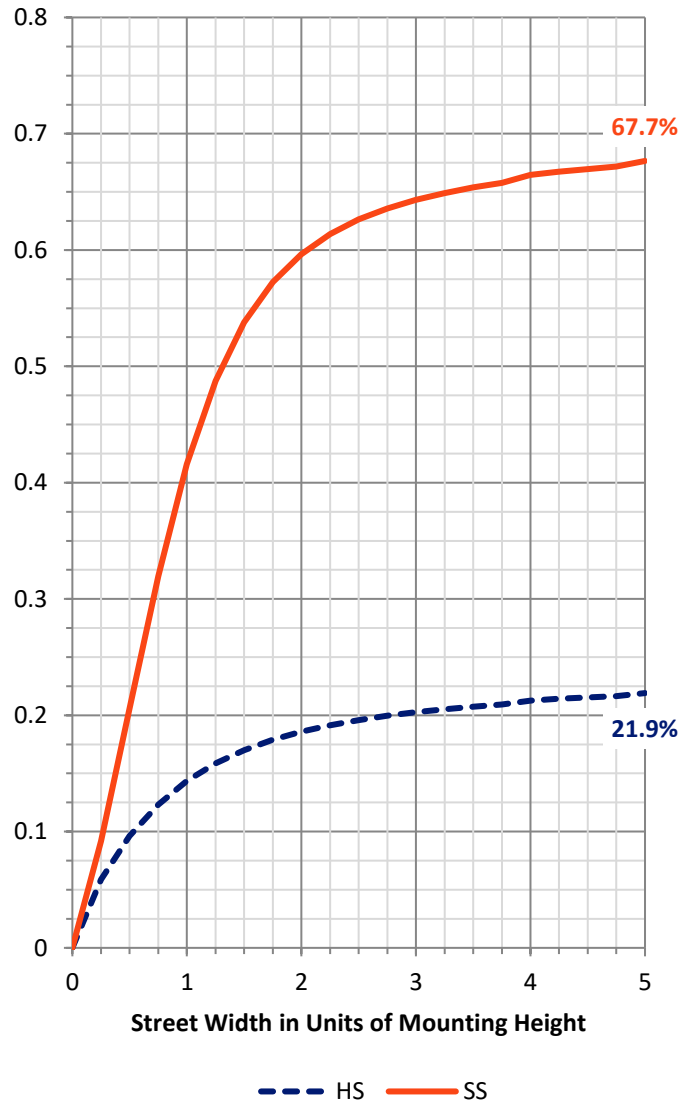
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1261.1	164.9	1426.0
	% Fixture	23.1	3.0	26.2
<b>Street Side</b>	Lumens	3795.6	230.4	4026.0
	% Fixture	69.6	4.2	73.8
<b>Total</b>	Lumens	5056.7	395.3	5452.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	0.5
10°-20°	111.1	2.0
20°-30°	286.6	5.3
30°-40°	561.3	10.3
40°-50°	857.4	15.7
50°-60°	1044.4	19.2
60°-70°	1009.9	18.5
70°-80°	745.9	13.7
80°-90°	413.5	7.6
90°-100°	196.4	3.6
100°-110°	96.7	1.8
110°-120°	52.0	1.0
120°-130°	28.9	0.5
130°-140°	15.1	0.3
140°-150°	5.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5056.7	92.7
0°-180°	5452.0	100.0

**Coefficient of Utilization**



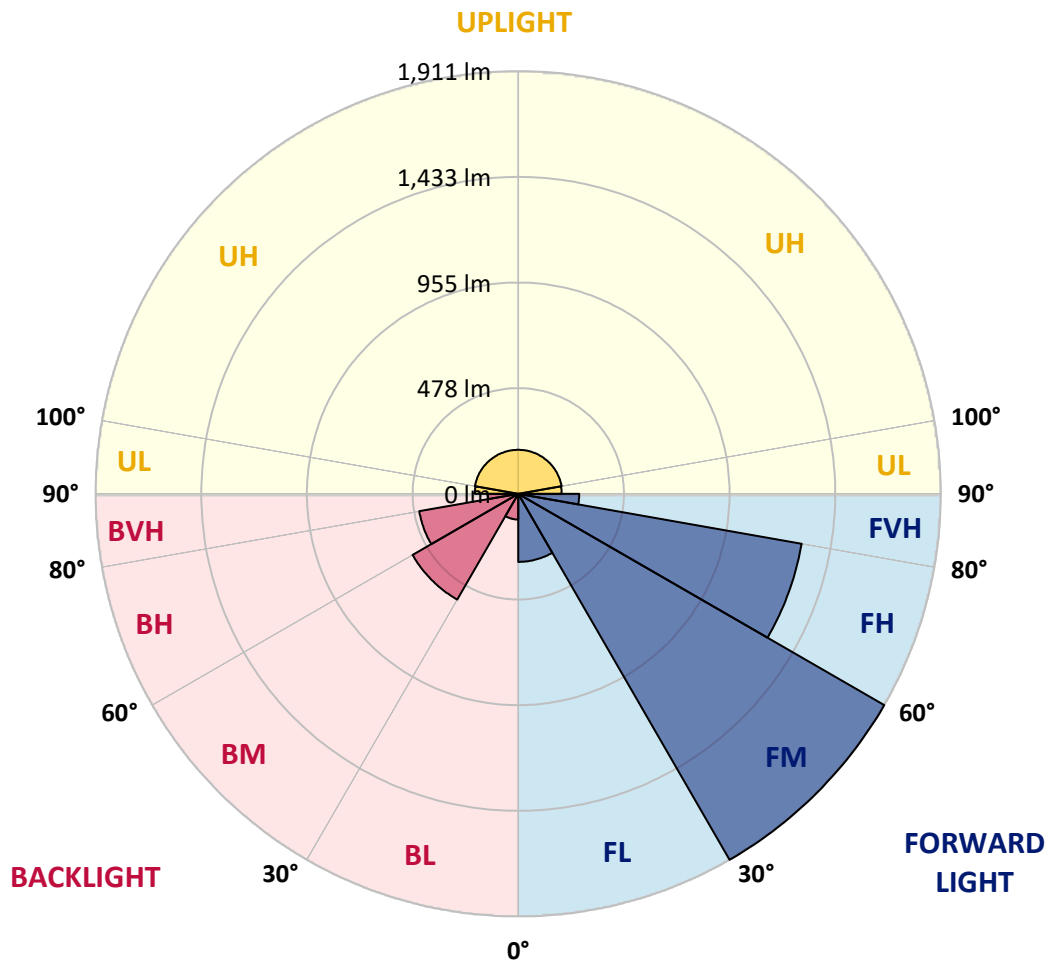
REPORT NUMBER: P695403  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.9	5.6			
FM (30°-60°)	1910.9	35.0			
FH (60°-80°)	1301.3	23.9			G1/1800
FVH (80°-90°)	275.5	5.1			G3/500
BL (0°-30°)	116.3	2.1	B1/500		
BM (30°-60°)	552.2	10.1	B1/1000		
BH (60°-80°)	454.5	8.3	B1/500		G1/500
BVH (80°-90°)	138.1	2.5			G2/225
UL (90°-100°)	196.4	3.6		U3/500	
UH (100°-180°)	198.9	3.6		U3/500	

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

Type III Short



REPORT NUMBER: P695403  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2
2.5°	286.1	284.0	286.1	284.0	279.9	275.8	271.7	265.5	263.4	261.4	255.2
5°	333.4	335.5	333.4	325.2	321.1	312.8	304.6	292.3	282.0	279.9	267.6
7.5°	391.1	389.0	386.9	380.8	370.5	356.1	341.7	325.2	310.8	306.7	286.1
10°	459.0	452.8	454.9	440.4	428.1	409.6	391.1	366.4	341.7	337.5	310.8
12.5°	537.2	535.1	531.0	512.5	494.0	473.4	444.6	413.7	386.9	378.7	345.8
15°	631.9	623.6	619.5	598.9	574.2	547.5	512.5	475.4	442.5	436.3	389.0
17.5°	736.8	726.5	714.2	687.4	662.7	627.7	586.6	545.4	506.3	498.1	438.4
20°	845.9	841.8	827.4	794.5	757.4	720.4	675.1	625.7	576.3	566.0	498.1
22.5°	977.6	973.5	948.8	907.7	862.4	819.2	767.7	714.2	658.6	642.2	561.9
25°	1121.7	1109.4	1080.5	1029.1	977.6	917.9	866.5	808.9	749.2	728.6	636.0
27.5°	1267.8	1257.5	1218.4	1160.8	1090.8	1025.0	967.3	911.8	841.8	831.5	712.1
30°	1411.9	1411.9	1360.5	1294.6	1202.0	1127.9	1072.3	1020.9	957.1	942.6	804.7
32.5°	1556.0	1551.9	1508.6	1420.1	1317.2	1230.8	1177.3	1134.1	1076.4	1049.7	905.6
35°	1689.8	1687.7	1630.1	1535.4	1422.2	1331.6	1286.4	1257.5	1199.9	1177.3	1006.4
37.5°	1813.3	1805.0	1741.2	1644.5	1506.6	1418.1	1391.3	1389.3	1331.6	1302.8	1113.5
40°	1897.6	1891.5	1835.9	1726.8	1584.8	1498.4	1496.3	1518.9	1477.8	1446.9	1224.6
42.5°	1949.1	1940.9	1895.6	1788.6	1646.5	1566.3	1591.0	1648.6	1626.0	1591.0	1337.8
45°	1961.4	1955.3	1918.2	1819.4	1687.7	1621.8	1675.4	1778.3	1774.1	1741.2	1449.0
47.5°	1930.6	1930.6	1905.9	1823.5	1704.2	1658.9	1757.7	1903.8	1912.0	1895.6	1566.3
50°	1870.9	1866.8	1860.6	1794.7	1698.0	1679.5	1821.5	2031.4	2068.5	2043.8	1687.7
52.5°	1770.0	1768.0	1774.1	1737.1	1667.1	1677.4	1866.8	2140.5	2208.4	2185.8	1790.6
55°	1636.2	1632.1	1658.9	1648.6	1607.4	1652.7	1889.4	2229.0	2334.0	2313.4	1891.5
57.5°	1475.7	1467.5	1518.9	1537.5	1525.1	1605.4	1889.4	2290.7	2434.8	2416.3	1969.7
60°	1290.5	1296.6	1350.2	1401.6	1416.0	1533.3	1858.5	2321.6	2506.9	2494.5	2021.1
62.5°	1109.4	1127.9	1187.6	1241.1	1302.8	1440.7	1805.0	2319.6	2539.8	2531.6	2047.9
65°	936.5	957.1	1016.7	1090.8	1167.0	1331.6	1722.7	2270.2	2523.3	2519.2	2035.5
67.5°	775.9	790.3	852.1	938.5	1029.1	1210.2	1607.4	2177.5	2449.2	2451.3	1977.9
70°	638.0	646.3	712.1	798.6	891.2	1074.4	1469.5	2031.4	2313.4	2319.6	1868.8
72.5°	524.8	539.2	588.6	668.9	767.7	950.9	1323.4	1854.4	2138.4	2136.4	1722.7
75°	428.1	436.3	487.8	559.8	646.3	819.2	1164.9	1642.4	1891.5	1907.9	1533.3
77.5°	345.8	351.9	403.4	467.2	551.6	703.9	1002.3	1422.2	1654.8	1650.7	1333.7
80°	279.9	288.1	331.4	389.0	465.1	598.9	848.0	1191.7	1387.2	1391.3	1109.4
82.5°	224.3	232.6	271.7	323.1	397.2	502.2	712.1	998.2	1129.9	1129.9	915.9
85°	179.1	187.3	224.3	269.6	329.3	426.0	584.5	798.6	901.5	907.7	740.9
87.5°	146.1	150.2	183.2	226.4	277.9	358.1	481.6	631.9	714.2	706.0	582.5
90°	117.3	121.4	150.2	187.3	234.6	300.5	393.1	510.4	553.6	551.6	454.9
92.5°	96.7	98.8	125.5	160.5	199.6	253.2	323.1	397.2	430.2	428.1	360.2
95°	80.3	82.3	107.0	135.8	170.8	214.1	263.4	319.0	339.6	335.5	282.0
97.5°	67.9	67.9	90.6	117.3	148.2	181.1	220.2	255.2	265.5	263.4	226.4
100°	57.6	57.6	76.2	102.9	129.7	156.4	183.2	203.8	207.9	209.9	179.1
102.5°	49.4	51.5	67.9	90.6	111.1	133.8	152.3	166.7	166.7	164.7	142.0
105°	45.3	45.3	57.6	78.2	98.8	115.3	129.7	137.9	133.8	129.7	113.2
107.5°	39.1	39.1	51.5	70.0	86.4	100.9	111.1	113.2	107.0	105.0	94.7
110°	35.0	37.0	45.3	61.7	78.2	88.5	94.7	94.7	88.5	86.4	78.2

REPORT NUMBER: P695403  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	32.9	32.9	41.2	55.6	67.9	78.2	82.3	80.3	74.1	72.0	65.9
115°	30.9	30.9	37.0	49.4	61.7	70.0	72.0	67.9	61.7	59.7	55.6
117.5°	28.8	28.8	32.9	43.2	55.6	61.7	63.8	57.6	51.5	51.5	49.4
120°	26.8	26.8	30.9	39.1	49.4	55.6	55.6	49.4	45.3	43.2	43.2
122.5°	26.8	26.8	28.8	35.0	43.2	47.3	49.4	43.2	39.1	37.0	37.0
125°	24.7	24.7	26.8	30.9	39.1	43.2	41.2	37.0	32.9	32.9	32.9
127.5°	24.7	24.7	24.7	28.8	32.9	37.0	37.0	32.9	28.8	28.8	30.9
130°	22.6	22.6	22.6	24.7	28.8	32.9	30.9	26.8	24.7	24.7	26.8
132.5°	22.6	22.6	22.6	22.6	24.7	28.8	26.8	22.6	22.6	22.6	22.6
135°	20.6	20.6	20.6	20.6	22.6	22.6	22.6	20.6	18.5	20.6	20.6
137.5°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	16.5	16.5	16.5	18.5
140°	16.5	16.5	16.5	16.5	14.4	14.4	14.4	12.3	14.4	14.4	16.5
142.5°	16.5	16.5	14.4	14.4	12.3	12.3	10.3	10.3	12.3	12.3	12.3
145°	14.4	14.4	12.3	10.3	8.2	8.2	8.2	8.2	8.2	10.3	10.3
147.5°	10.3	10.3	10.3	8.2	6.2	4.1	4.1	6.2	6.2	6.2	8.2
150°	8.2	8.2	8.2	6.2	4.1	2.1	2.1	4.1	4.1	4.1	6.2
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: P695403  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2
2.5°	253.2	251.1	244.9	240.8	236.7	234.6	230.5	228.5	228.5	226.4	228.5
5°	261.4	255.2	242.9	232.6	222.3	214.1	207.9	203.8	201.7	199.6	197.6
7.5°	275.8	265.5	247.0	230.5	214.1	201.7	191.4	185.2	181.1	177.0	177.0
10°	296.4	282.0	255.2	232.6	212.0	195.5	181.1	172.9	168.8	164.7	164.7
12.5°	327.2	308.7	273.7	238.7	214.1	193.5	179.1	168.8	164.7	162.6	160.5
15°	366.4	343.7	298.4	257.3	222.3	195.5	181.1	177.0	172.9	170.8	170.8
17.5°	411.6	380.8	325.2	275.8	236.7	207.9	193.5	187.3	185.2	183.2	181.1
20°	461.0	426.0	356.1	296.4	253.2	228.5	207.9	201.7	199.6	197.6	197.6
22.5°	520.7	473.4	389.0	319.0	273.7	244.9	226.4	216.1	214.1	214.1	212.0
25°	582.5	531.0	426.0	343.7	294.3	263.4	242.9	232.6	230.5	232.6	232.6
27.5°	654.5	588.6	465.1	370.5	314.9	277.9	259.3	249.0	249.0	253.2	253.2
30°	732.7	648.3	504.3	397.2	333.4	292.3	273.7	267.6	269.6	271.7	273.7
32.5°	808.9	712.1	541.3	424.0	347.8	304.6	288.1	286.1	288.1	292.3	292.3
35°	897.4	784.2	578.3	446.6	360.2	314.9	300.5	302.6	306.7	310.8	312.8
37.5°	985.9	848.0	615.4	463.1	370.5	325.2	312.8	317.0	321.1	329.3	329.3
40°	1070.3	913.8	644.2	477.5	378.7	331.4	321.1	329.3	337.5	341.7	341.7
42.5°	1158.8	979.7	675.1	487.8	384.9	337.5	329.3	341.7	349.9	351.9	351.9
45°	1249.3	1035.3	697.7	496.0	389.0	341.7	335.5	347.8	358.1	360.2	360.2
47.5°	1329.6	1086.7	714.2	498.1	389.0	343.7	339.6	354.0	364.3	364.3	364.3
50°	1414.0	1138.2	724.5	500.1	391.1	345.8	341.7	358.1	368.4	366.4	368.4
52.5°	1486.0	1179.3	728.6	496.0	389.0	343.7	343.7	362.2	372.5	368.4	368.4
55°	1549.8	1210.2	726.5	489.8	384.9	343.7	343.7	362.2	372.5	368.4	368.4
57.5°	1597.1	1228.7	718.3	481.6	380.8	341.7	343.7	362.2	372.5	368.4	368.4
60°	1626.0	1230.8	701.8	471.3	374.6	337.5	339.6	360.2	370.5	366.4	366.4
62.5°	1630.1	1220.5	681.3	456.9	366.4	333.4	337.5	358.1	368.4	364.3	366.4
65°	1607.4	1189.6	654.5	440.4	358.1	327.2	333.4	354.0	364.3	362.2	362.2
67.5°	1549.8	1136.1	617.5	419.9	345.8	319.0	327.2	345.8	360.2	356.1	356.1
70°	1457.2	1062.0	578.3	397.2	329.3	308.7	317.0	337.5	349.9	347.8	347.8
72.5°	1335.8	973.5	531.0	370.5	312.8	296.4	306.7	325.2	335.5	335.5	333.4
75°	1189.6	874.7	479.6	341.7	294.3	282.0	294.3	308.7	317.0	314.9	312.8
77.5°	1033.2	767.7	430.2	312.8	273.7	265.5	275.8	292.3	296.4	294.3	290.2
80°	874.7	658.6	380.8	282.0	251.1	244.9	255.2	267.6	271.7	265.5	263.4
82.5°	730.7	549.5	331.4	253.2	228.5	224.3	234.6	242.9	242.9	238.7	232.6
85°	590.7	463.1	290.2	224.3	205.8	203.8	212.0	216.1	214.1	207.9	201.7
87.5°	475.4	378.7	249.0	199.6	183.2	181.1	187.3	189.4	185.2	177.0	172.9
90°	384.9	310.8	214.1	177.0	162.6	162.6	164.7	164.7	158.5	148.2	144.1
92.5°	306.7	255.2	185.2	154.4	146.1	142.0	144.1	142.0	133.8	127.6	121.4
95°	247.0	209.9	160.5	137.9	129.7	125.5	127.6	123.5	113.2	105.0	100.9
97.5°	199.6	172.9	137.9	121.4	115.3	111.1	111.1	105.0	98.8	88.5	84.4
100°	160.5	142.0	119.4	107.0	100.9	98.8	96.7	92.6	84.4	74.1	72.0
102.5°	129.7	119.4	102.9	94.7	90.6	88.5	86.4	80.3	72.0	61.7	61.7
105°	107.0	100.9	90.6	84.4	80.3	78.2	76.2	70.0	61.7	53.5	53.5
107.5°	88.5	84.4	78.2	74.1	72.0	70.0	67.9	61.7	53.5	45.3	47.3
110°	76.2	72.0	67.9	65.9	65.9	63.8	59.7	55.6	47.3	41.2	41.2

REPORT NUMBER: P695403  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	63.8	61.7	59.7	59.7	57.6	55.6	53.5	47.3	41.2	37.0	37.0
115°	55.6	53.5	53.5	53.5	51.5	51.5	47.3	43.2	35.0	32.9	32.9
117.5°	47.3	47.3	47.3	47.3	47.3	45.3	43.2	37.0	30.9	28.8	28.8
120°	43.2	43.2	41.2	41.2	41.2	41.2	37.0	32.9	26.8	26.8	26.8
122.5°	37.0	37.0	37.0	37.0	37.0	35.0	32.9	28.8	24.7	24.7	24.7
125°	32.9	32.9	32.9	35.0	32.9	32.9	28.8	24.7	20.6	22.6	22.6
127.5°	30.9	30.9	30.9	28.8	28.8	28.8	24.7	20.6	18.5	20.6	20.6
130°	26.8	26.8	26.8	26.8	26.8	24.7	22.6	18.5	16.5	18.5	18.5
132.5°	24.7	24.7	24.7	22.6	22.6	20.6	18.5	16.5	14.4	16.5	16.5
135°	20.6	20.6	20.6	20.6	18.5	18.5	16.5	12.3	14.4	14.4	14.4
137.5°	18.5	18.5	18.5	16.5	16.5	14.4	12.3	10.3	12.3	12.3	12.3
140°	16.5	16.5	16.5	14.4	12.3	12.3	10.3	10.3	10.3	12.3	12.3
142.5°	12.3	12.3	12.3	12.3	10.3	8.2	8.2	8.2	10.3	10.3	10.3
145°	10.3	10.3	10.3	8.2	8.2	6.2	6.2	6.2	8.2	8.2	8.2
147.5°	8.2	8.2	8.2	6.2	6.2	4.1	4.1	6.2	8.2	8.2	8.2
150°	6.2	6.2	6.2	4.1	4.1	2.1	4.1	4.1	6.2	6.2	6.2
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)