

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: P696046

Luminaire Tested: **LXF.LXT-PA16-827-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-827-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5420 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G3

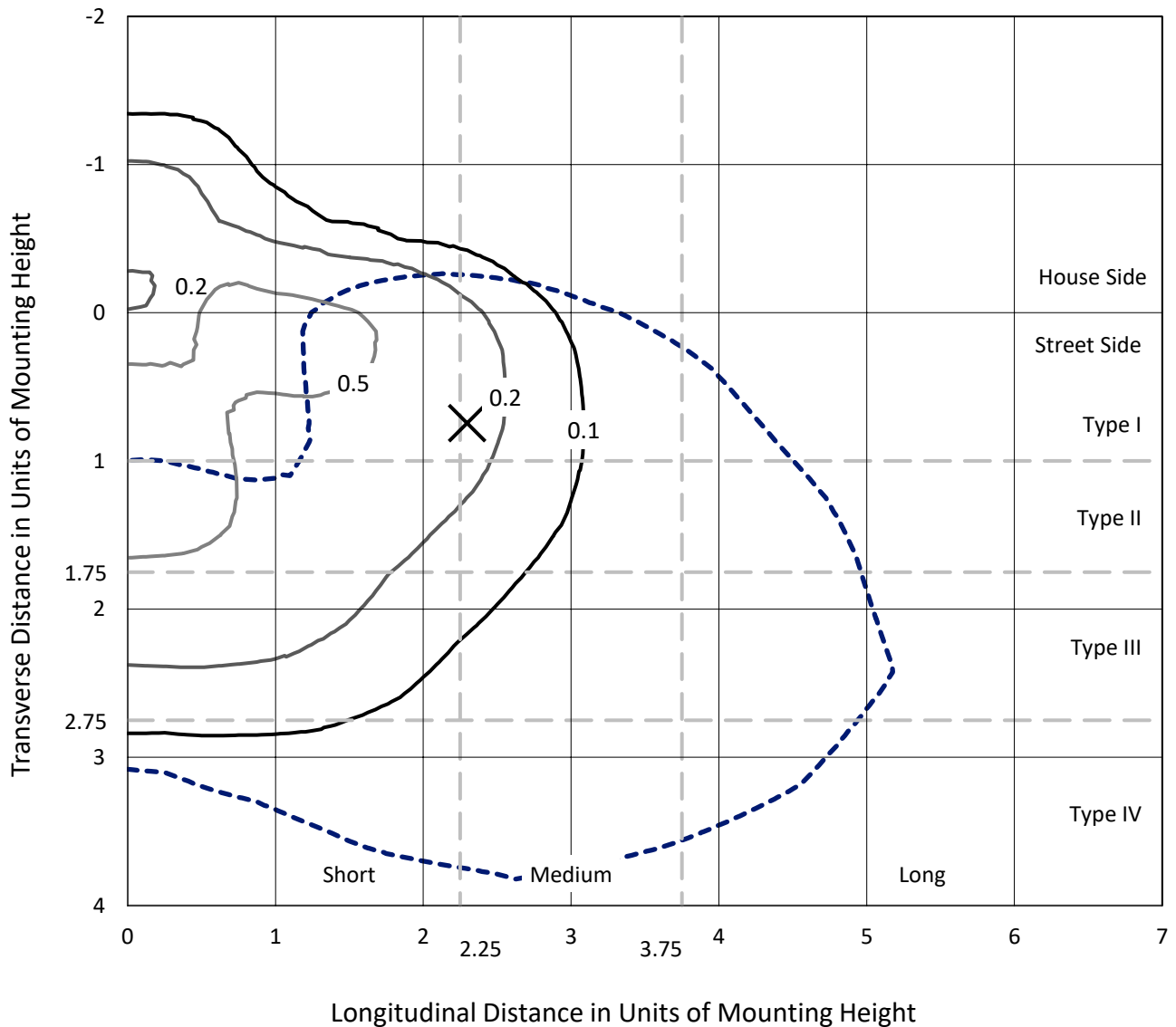
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P696046  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

### Iso-Footcandle Lines of Horizontal Illumination

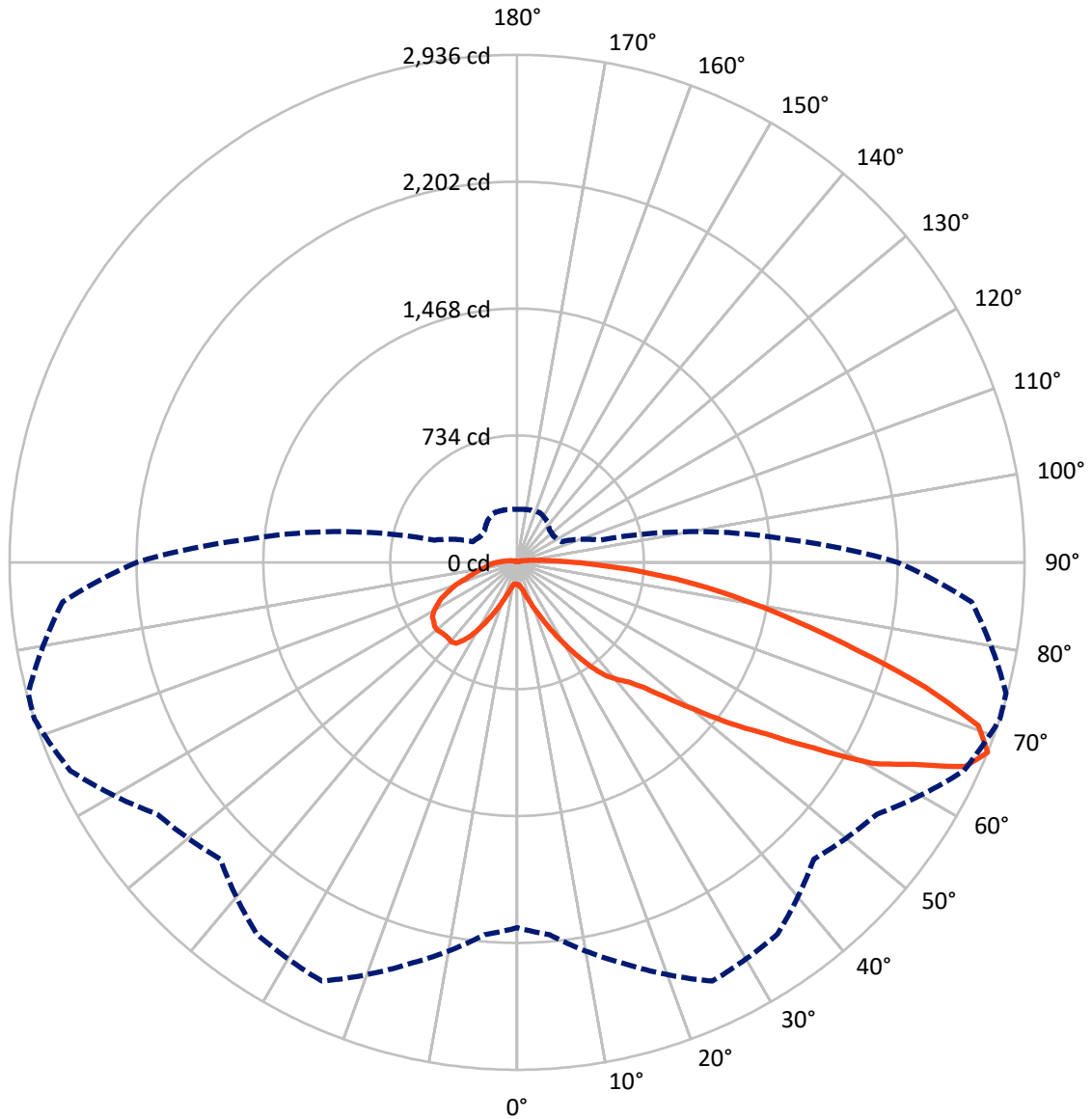
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P696046  
CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P696046  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

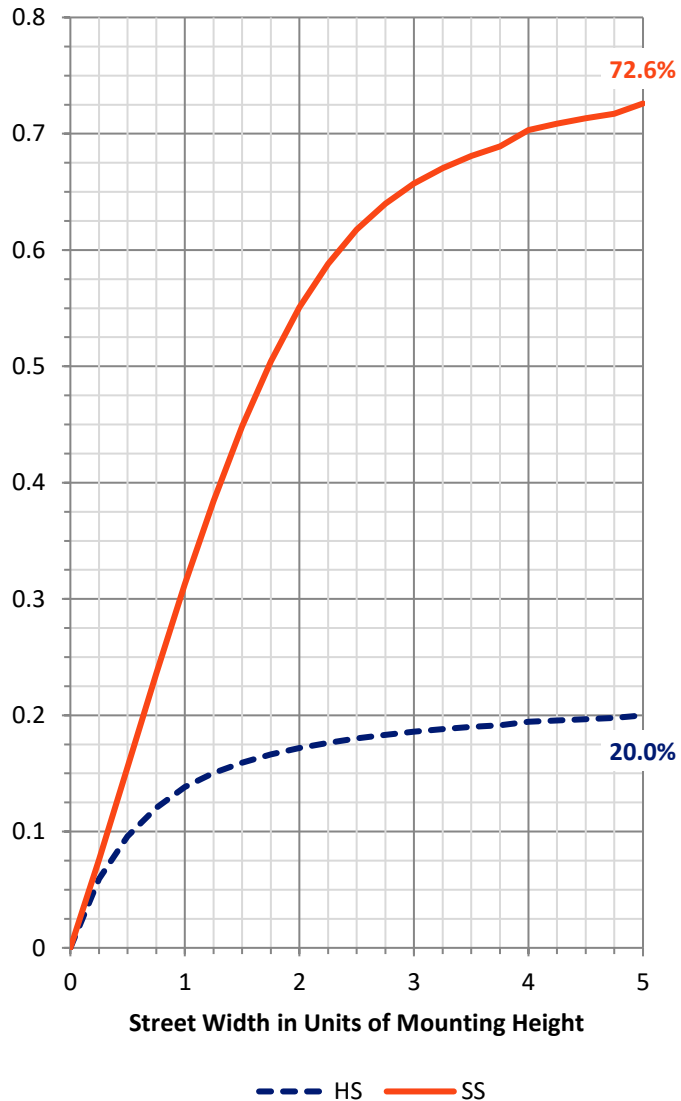
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1143.9	98.3	1242.2
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	4073.1	104.7	4177.7
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	5217.0	203.0	5420.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	0.2
10°-20°	56.1	1.0
20°-30°	170.1	3.1
30°-40°	382.9	7.1
40°-50°	614.7	11.3
50°-60°	996.4	18.4
60°-70°	1453.2	26.8
70°-80°	1089.4	20.1
80°-90°	441.0	8.1
90°-100°	122.4	2.3
100°-110°	40.2	0.7
110°-120°	18.5	0.3
120°-130°	11.1	0.2
130°-140°	7.1	0.1
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5217.0	96.3
0°-180°	5420.0	100.0

**Coefficient of Utilization**

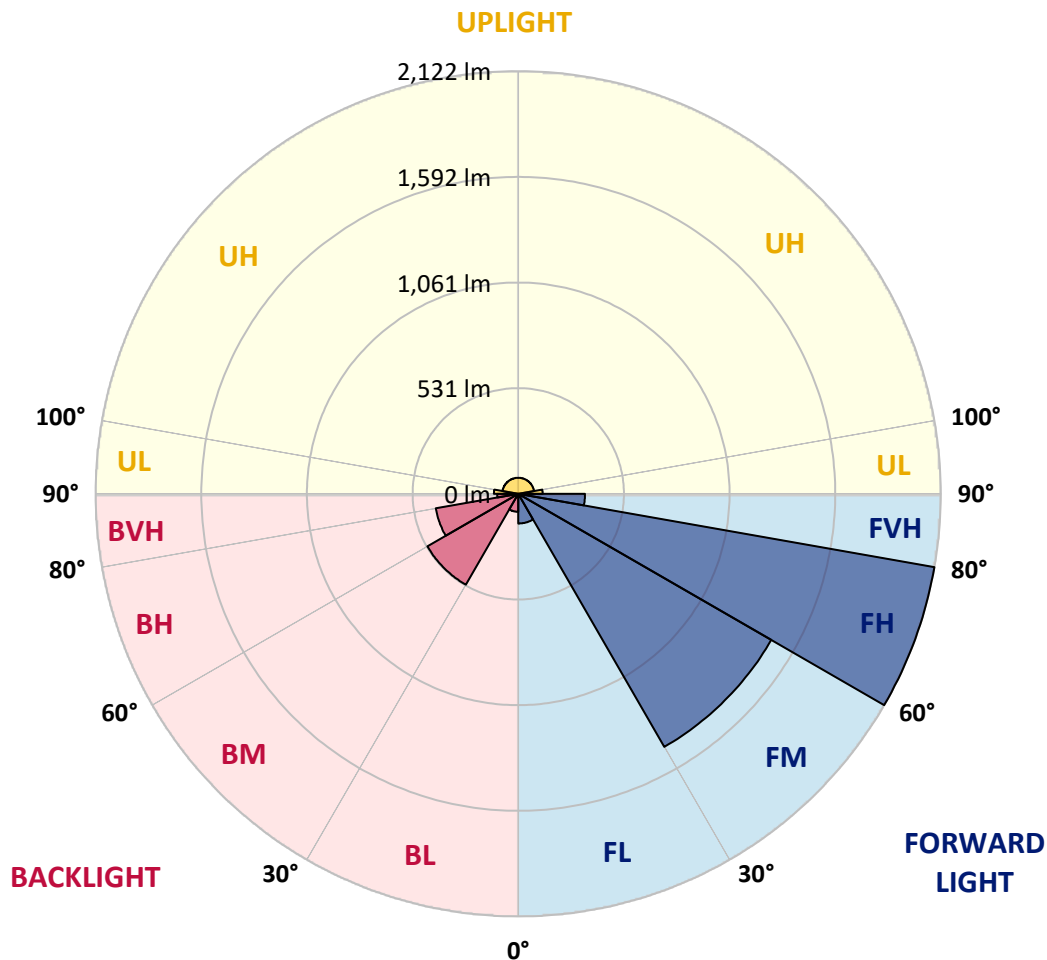


REPORT NUMBER: P696046  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.0	2.7			
FM (30°-60°)	1467.2	27.1			
FH (60°-80°)	2122.0	39.2			G2/5000
FVH (80°-90°)	334.9	6.2			G3/500
BL (0°-30°)	90.2	1.7	B0/110		
BM (30°-60°)	526.8	9.7	B1/1000		
BH (60°-80°)	420.6	7.8	B1/500		G1/500
BVH (80°-90°)	106.2	2.0			G2/225
UL (90°-100°)	122.4	2.3		U3/500	
UH (100°-180°)	80.6	1.5		U3/500	

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



REPORT NUMBER: P696046  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6
2.5°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	132.5	130.5	130.5	128.6
5°	146.1	146.1	146.1	146.1	146.1	144.2	140.3	138.3	136.4	134.4	132.5
7.5°	163.6	161.7	161.7	159.7	157.8	155.8	151.9	148.0	144.2	142.2	138.3
10°	185.1	185.1	183.1	179.2	177.3	169.5	165.6	159.7	155.8	153.9	148.0
12.5°	224.0	220.1	218.2	212.3	202.6	192.9	185.1	179.2	175.3	175.3	167.5
15°	268.8	266.9	263.0	247.4	235.7	222.1	212.3	208.4	206.5	202.6	196.7
17.5°	323.4	323.4	315.6	294.1	274.7	261.0	249.3	243.5	241.5	241.5	235.7
20°	393.5	393.5	377.9	346.7	323.4	305.8	292.2	284.4	284.4	282.5	278.6
22.5°	475.3	479.2	455.8	414.9	376.0	350.6	335.1	333.1	333.1	340.9	337.0
25°	570.8	570.8	541.5	488.9	444.1	399.3	387.6	395.4	401.3	409.1	411.0
27.5°	693.5	689.6	640.9	574.7	504.5	455.8	442.2	457.8	475.3	481.2	492.8
30°	833.7	827.9	767.5	674.0	578.6	506.5	500.6	529.9	561.0	566.9	582.4
32.5°	952.6	956.5	888.3	785.0	654.5	568.8	563.0	609.7	648.7	662.3	691.5
35°	1096.7	1098.7	1016.8	886.3	728.5	627.2	625.3	689.6	746.1	763.6	794.8
37.5°	1157.1	1168.8	1106.5	974.0	802.6	689.6	685.7	765.6	829.8	849.3	884.4
40°	1219.4	1227.2	1162.9	1038.3	863.0	744.1	746.1	831.8	890.2	913.6	933.1
42.5°	1348.0	1351.9	1264.2	1106.5	913.6	800.6	802.6	880.5	946.7	975.9	1011.0
45°	1462.9	1480.5	1394.8	1213.6	981.8	849.3	853.2	960.4	1034.4	1075.3	1118.1
47.5°	1626.6	1626.6	1556.4	1355.8	1083.1	915.6	937.0	1073.3	1174.6	1209.7	1272.0
50°	1772.7	1774.6	1722.0	1509.7	1196.1	1007.1	1046.1	1215.5	1344.1	1385.0	1468.8
52.5°	1893.4	1895.4	1858.4	1687.0	1350.0	1127.9	1172.7	1404.5	1548.6	1599.3	1673.3
55°	2043.4	2033.7	2010.3	1864.2	1525.3	1283.7	1350.0	1605.1	1755.1	1823.3	1912.9
57.5°	2203.2	2191.5	2201.2	2057.1	1725.9	1476.6	1544.7	1819.4	2027.8	2115.5	2218.8
60°	2290.8	2294.7	2368.7	2310.3	1969.4	1716.2	1792.1	2146.7	2362.9	2431.1	2454.5
62.5°	2333.7	2337.6	2464.2	2503.2	2257.7	1967.5	2074.6	2417.4	2573.3	2659.0	2641.5
65°	2322.0	2337.6	2540.2	2647.3	2499.3	2238.2	2353.2	2672.6	2847.9	2892.8	2756.4
67.5°	2113.6	2162.3	2403.8	2672.6	2625.9	2427.2	2540.2	2851.8	2935.6	2927.8	2639.5
70°	1790.2	1803.8	2094.1	2483.7	2588.9	2419.4	2557.7	2814.8	2830.4	2789.5	2380.4
72.5°	1377.2	1410.3	1673.3	2096.0	2331.7	2246.0	2362.9	2565.5	2470.0	2366.8	1920.7
75°	1011.0	997.4	1217.5	1628.5	1930.4	1942.1	2057.1	2175.9	2033.7	1949.9	1568.1
77.5°	685.7	718.8	876.6	1205.8	1517.5	1622.7	1737.6	1753.2	1659.7	1591.5	1200.0
80°	469.5	475.3	594.1	880.5	1184.4	1332.4	1433.7	1468.8	1334.4	1256.4	905.8
82.5°	268.8	274.7	376.0	633.1	929.2	1100.6	1203.9	1194.1	1040.2	962.3	629.2
85°	150.0	151.9	218.2	391.5	699.3	880.5	970.1	892.2	738.3	666.2	413.0
87.5°	89.6	93.5	130.5	251.3	475.3	681.8	726.6	621.4	477.3	424.7	272.7
90°	56.5	60.4	79.9	148.0	305.8	479.2	492.8	391.5	296.1	266.9	185.1
92.5°	37.0	39.0	52.6	91.6	189.0	301.9	315.6	235.7	183.1	163.6	126.6
95°	29.2	29.2	37.0	62.3	116.9	177.3	190.9	142.2	118.8	107.1	87.7
97.5°	23.4	23.4	29.2	44.8	79.9	111.0	114.9	93.5	79.9	77.9	66.2
100°	19.5	21.4	25.3	35.1	56.5	74.0	74.0	64.3	58.4	58.4	52.6
102.5°	17.5	17.5	21.4	29.2	44.8	56.5	54.5	48.7	44.8	44.8	42.9
105°	17.5	15.6	19.5	23.4	35.1	42.9	40.9	37.0	35.1	33.1	33.1
107.5°	15.6	13.6	15.6	19.5	29.2	35.1	33.1	29.2	27.3	25.3	27.3
110°	13.6	13.6	13.6	17.5	23.4	29.2	27.3	23.4	21.4	21.4	21.4

REPORT NUMBER: P696046  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.7	11.7	11.7	15.6	19.5	23.4	23.4	19.5	17.5	15.6	17.5
115°	11.7	11.7	11.7	13.6	17.5	21.4	19.5	15.6	13.6	13.6	15.6
117.5°	9.7	9.7	9.7	13.6	15.6	17.5	17.5	13.6	11.7	11.7	13.6
120°	9.7	9.7	9.7	11.7	15.6	15.6	15.6	11.7	11.7	11.7	13.6
122.5°	9.7	9.7	9.7	11.7	13.6	15.6	13.6	11.7	9.7	9.7	11.7
125°	9.7	9.7	9.7	11.7	13.6	13.6	11.7	9.7	9.7	9.7	11.7
127.5°	9.7	9.7	9.7	11.7	11.7	11.7	11.7	9.7	9.7	9.7	11.7
130°	9.7	9.7	9.7	9.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7
132.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	7.8	9.7	9.7	9.7
135°	9.7	9.7	9.7	9.7	9.7	9.7	7.8	7.8	7.8	7.8	9.7
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.7
140°	7.8	7.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8	5.8	7.8
142.5°	7.8	7.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
145°	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	5.8	5.8
147.5°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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: P696046  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6
2.5°	128.6	128.6	126.6	124.7	124.7	124.7	124.7	124.7	122.7	122.7	122.7
5°	130.5	128.6	126.6	124.7	122.7	120.8	118.8	118.8	116.9	116.9	116.9
7.5°	136.4	134.4	128.6	124.7	120.8	118.8	116.9	114.9	113.0	111.0	111.0
10°	146.1	142.2	134.4	128.6	122.7	118.8	114.9	113.0	111.0	111.0	109.1
12.5°	163.6	159.7	148.0	138.3	128.6	122.7	116.9	114.9	114.9	114.9	116.9
15°	192.9	187.0	171.4	157.8	142.2	130.5	126.6	128.6	130.5	132.5	132.5
17.5°	229.9	222.1	204.5	181.2	159.7	146.1	144.2	146.1	150.0	153.9	153.9
20°	272.7	263.0	235.7	208.4	181.2	169.5	163.6	167.5	173.4	181.2	179.2
22.5°	333.1	317.5	284.4	239.6	208.4	192.9	185.1	190.9	202.6	210.4	210.4
25°	401.3	381.8	338.9	278.6	235.7	212.3	208.4	218.2	239.6	251.3	251.3
27.5°	479.2	455.8	397.4	319.5	264.9	233.8	229.9	251.3	278.6	300.0	298.0
30°	570.8	543.5	467.5	362.3	292.2	251.3	255.2	284.4	321.4	346.7	346.7
32.5°	675.9	633.1	535.7	409.1	313.6	266.9	274.7	313.6	358.4	383.8	387.6
35°	775.3	724.6	592.2	444.1	331.2	280.5	290.2	340.9	393.5	424.7	424.7
37.5°	861.0	806.5	637.0	467.5	338.9	288.3	303.9	362.3	413.0	444.1	444.1
40°	901.9	837.6	650.6	471.4	340.9	292.2	311.7	372.1	420.8	446.1	444.1
42.5°	975.9	890.2	652.6	450.0	335.1	294.1	315.6	368.2	405.2	416.9	414.9
45°	1075.3	964.3	662.3	430.5	321.4	290.2	311.7	354.5	376.0	377.9	374.0
47.5°	1203.9	1071.4	675.9	413.0	309.7	284.4	301.9	335.1	346.7	340.9	338.9
50°	1381.1	1194.1	695.4	393.5	301.9	274.7	292.2	321.4	329.2	317.5	315.6
52.5°	1554.5	1316.8	703.2	374.0	294.1	268.8	286.4	315.6	317.5	298.0	296.1
55°	1764.9	1449.3	693.5	352.6	290.2	266.9	286.4	311.7	303.9	284.4	280.5
57.5°	2027.8	1618.8	691.5	333.1	282.5	266.9	288.3	307.8	301.9	288.3	286.4
60°	2191.5	1690.8	660.4	321.4	276.6	270.8	292.2	313.6	305.8	290.2	288.3
62.5°	2308.4	1722.0	613.6	307.8	272.7	270.8	298.0	315.6	303.9	292.2	290.2
65°	2341.5	1690.8	564.9	294.1	266.9	270.8	300.0	313.6	307.8	300.0	300.0
67.5°	2201.2	1550.6	494.8	282.5	259.1	264.9	296.1	315.6	311.7	307.8	305.8
70°	1946.0	1351.9	430.5	266.9	245.4	255.2	290.2	315.6	315.6	313.6	313.6
72.5°	1552.5	1044.1	346.7	249.3	229.9	243.5	282.5	309.7	307.8	305.8	303.9
75°	1244.8	824.0	294.1	226.0	214.3	227.9	270.8	298.0	294.1	294.1	292.2
77.5°	937.0	623.4	249.3	204.5	194.8	214.3	253.2	278.6	276.6	274.7	270.8
80°	677.9	461.7	212.3	185.1	179.2	196.7	231.8	253.2	253.2	253.2	251.3
82.5°	490.9	340.9	185.1	167.5	163.6	179.2	208.4	226.0	233.8	239.6	235.7
85°	323.4	239.6	163.6	151.9	151.9	165.6	189.0	204.5	216.2	222.1	220.1
87.5°	220.1	183.1	144.2	134.4	138.3	151.9	173.4	185.1	194.8	200.6	198.7
90°	155.8	142.2	122.7	114.9	118.8	136.4	155.8	165.6	169.5	171.4	169.5
92.5°	111.0	105.2	97.4	93.5	99.3	118.8	136.4	140.3	140.3	138.3	134.4
95°	83.8	79.9	77.9	74.0	81.8	99.3	113.0	113.0	113.0	107.1	107.1
97.5°	64.3	64.3	64.3	60.4	66.2	79.9	89.6	87.7	87.7	83.8	83.8
100°	52.6	52.6	52.6	50.6	54.5	64.3	68.2	68.2	70.1	68.2	68.2
102.5°	42.9	42.9	42.9	42.9	44.8	52.6	56.5	54.5	56.5	56.5	56.5
105°	35.1	35.1	37.0	35.1	39.0	44.8	44.8	44.8	46.8	42.9	44.8
107.5°	27.3	29.2	29.2	29.2	33.1	37.0	39.0	37.0	37.0	35.1	35.1
110°	23.4	25.3	25.3	25.3	27.3	31.2	33.1	31.2	29.2	29.2	29.2

REPORT NUMBER: P696046  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.5	21.4	21.4	21.4	23.4	27.3	27.3	25.3	23.4	23.4	23.4
115°	17.5	17.5	19.5	19.5	21.4	23.4	23.4	21.4	19.5	21.4	21.4
117.5°	15.6	15.6	17.5	17.5	17.5	19.5	19.5	17.5	17.5	19.5	19.5
120°	13.6	15.6	15.6	15.6	15.6	17.5	17.5	15.6	15.6	17.5	17.5
122.5°	13.6	13.6	13.6	13.6	15.6	15.6	15.6	13.6	13.6	15.6	15.6
125°	11.7	13.6	13.6	13.6	13.6	13.6	13.6	11.7	13.6	13.6	15.6
127.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	13.6	13.6
130°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.7	11.7	11.7	11.7
132.5°	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	11.7	11.7
135°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	11.7	11.7
137.5°	9.7	9.7	7.8	7.8	7.8	7.8	7.8	7.8	9.7	9.7	9.7
140°	7.8	7.8	7.8	5.8	5.8	5.8	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	7.8	5.8	5.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
145°	5.8	5.8	5.8	3.9	3.9	5.8	5.8	5.8	5.8	5.8	5.8
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9
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)