

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: P696027

Luminaire Tested: **LXF.LXT-PA16-827-U-SL3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696027  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5320.9 lumens  
Efficiency: N/A  
Efficacy: 73.9 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 - G2

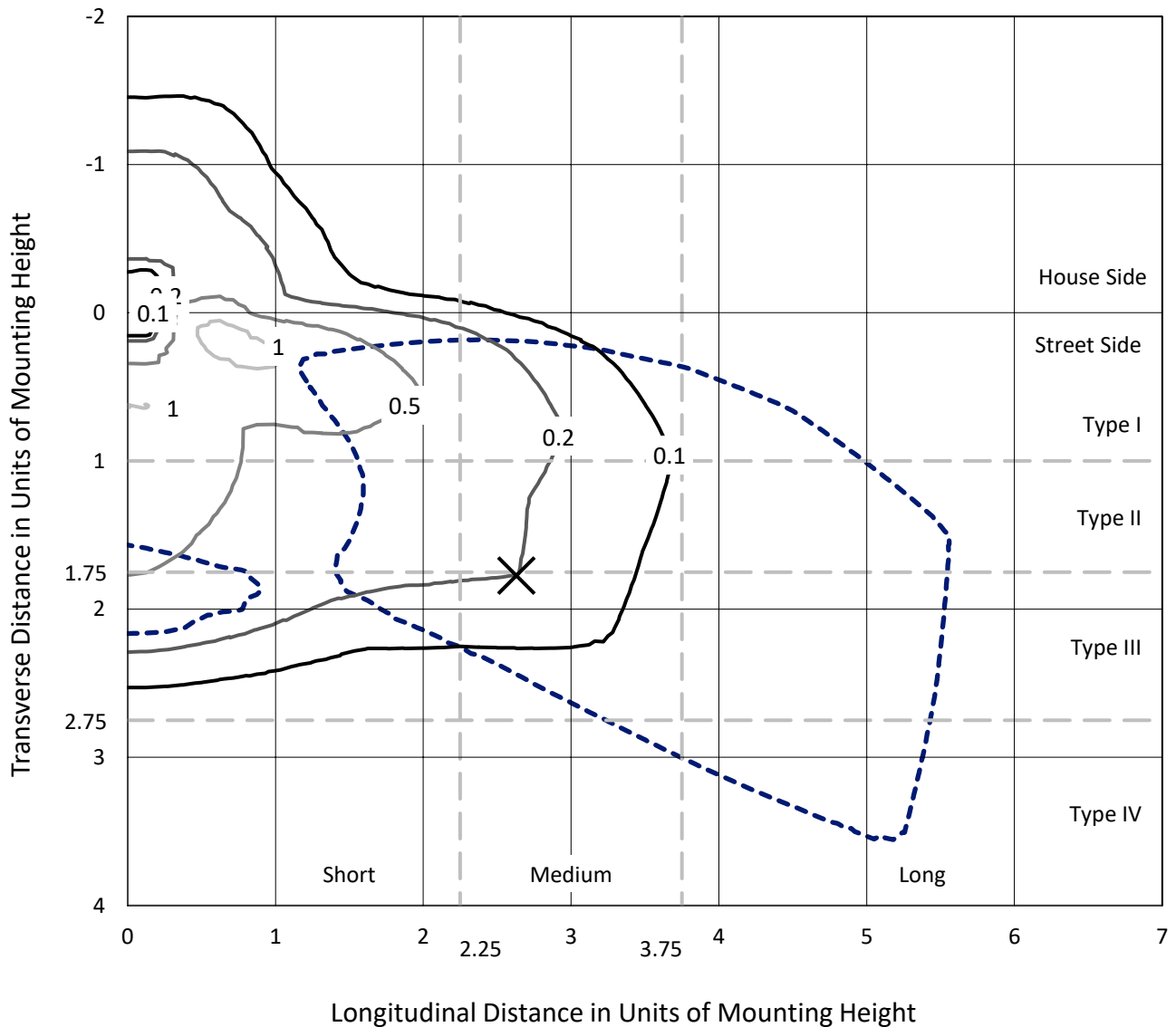
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P696027  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

### Iso-Footcandle Lines of Horizontal Illumination

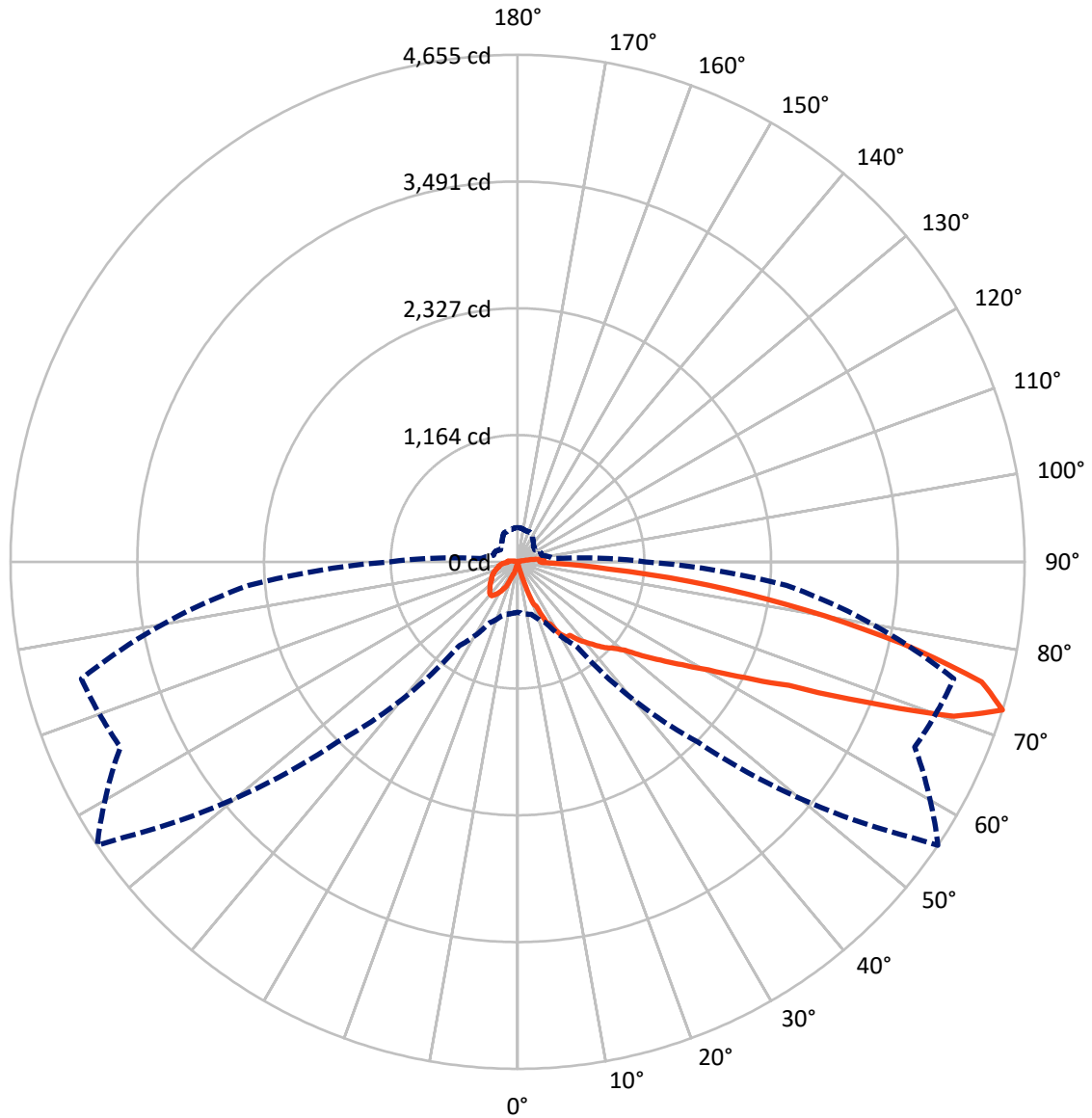
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P696027  
CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P696027  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

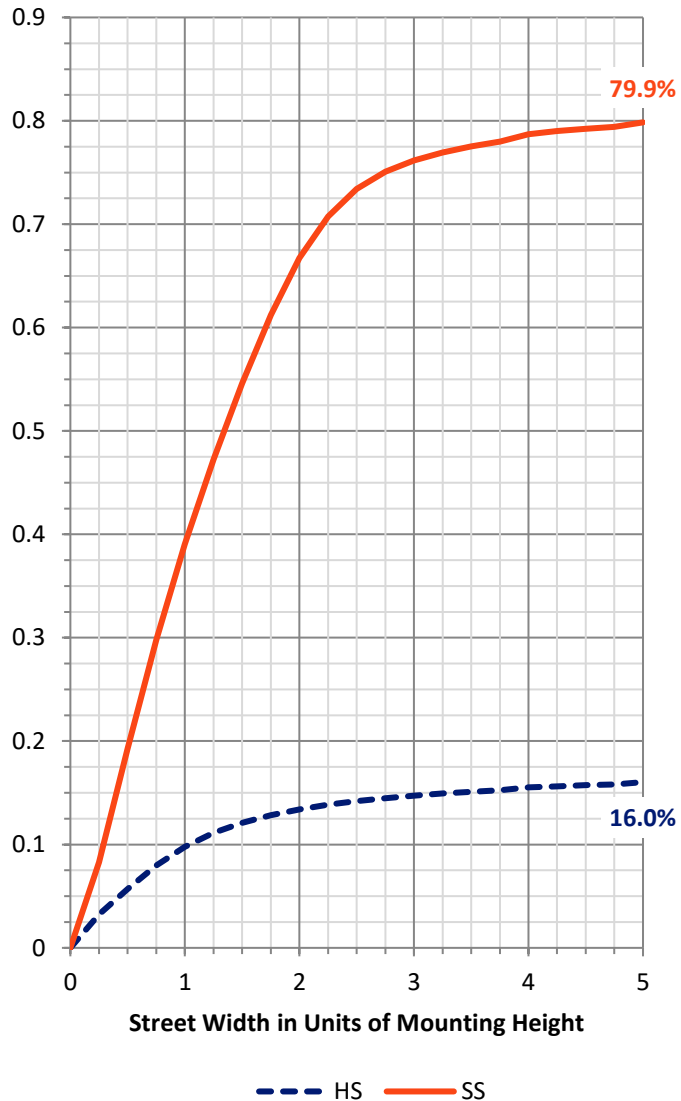
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	909.0	57.6	966.5
	% Fixture	17.1	1.1	18.2
<b>Street Side</b>	Lumens	4293.7	60.7	4354.4
	% Fixture	80.7	1.1	81.8
<b>Total</b>	Lumens	5202.7	118.2	5320.9
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	43.7	0.8
20°-30°	205.7	3.9
30°-40°	452.9	8.5
40°-50°	679.0	12.8
50°-60°	1000.0	18.8
60°-70°	1388.5	26.1
70°-80°	1118.7	21.0
80°-90°	313.5	5.9
90°-100°	84.4	1.6
100°-110°	16.3	0.3
110°-120°	6.3	0.1
120°-130°	4.9	0.1
130°-140°	3.4	0.1
140°-150°	2.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5202.7	97.8
0°-180°	5320.9	100.0

**Coefficient of Utilization**

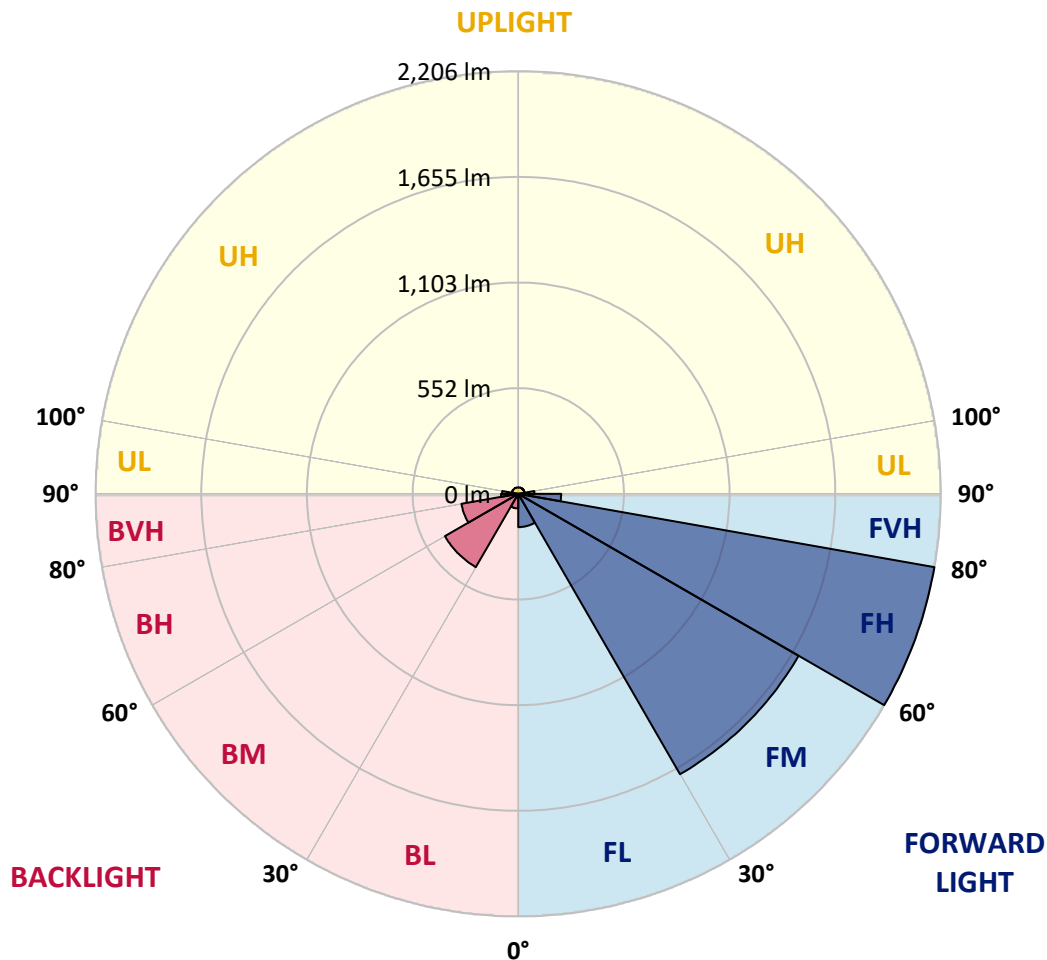


REPORT NUMBER: P696027  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.8	3.3			
FM (30°-60°)	1690.0	31.8			
FH (60°-80°)	2206.2	41.5			G2/5000
FVH (80°-90°)	223.8	4.2			G2/225
BL (0°-30°)	76.3	1.4	B0/110		
BM (30°-60°)	441.9	8.3	B1/1000		
BH (60°-80°)	301.0	5.7	B1/500		G1/500
BVH (80°-90°)	89.7	1.7			G1/100
UL (90°-100°)	84.4	1.6		U3/500	
UH (100°-180°)	33.8	0.6		U2/50	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



REPORT NUMBER: P696027  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
5°	5.8	5.8	5.8	5.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8
7.5°	9.7	9.7	7.8	7.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8
10°	56.5	54.6	48.7	33.1	19.5	9.7	7.8	7.8	7.8	7.8	9.7
12.5°	247.5	245.5	247.5	231.9	62.4	33.1	15.6	15.6	23.4	31.2	40.9
15°	261.1	263.0	263.0	255.2	255.2	109.1	60.4	83.8	239.7	261.1	255.2
17.5°	342.9	331.2	284.5	272.8	278.6	276.7	239.7	239.7	278.6	294.2	290.3
20°	403.3	403.3	405.3	401.4	298.1	381.9	411.1	413.1	329.3	455.9	493.0
22.5°	452.0	455.9	436.5	420.9	454.0	395.5	446.2	446.2	557.3	625.4	600.1
25°	627.4	625.4	590.4	471.5	471.5	479.3	606.0	617.7	697.5	695.6	668.3
27.5°	722.9	722.9	683.9	613.8	522.2	547.5	623.5	650.8	791.1	1005.4	909.9
30°	976.2	980.1	894.3	732.6	631.3	582.6	722.9	771.6	991.8	1056.1	945.0
32.5°	1050.2	1052.2	1058.0	937.2	730.7	646.9	789.1	824.2	1063.8	1336.6	1190.5
35°	1071.6	1075.5	1075.5	989.8	915.8	752.1	802.8	828.1	1266.5	1408.7	1192.4
37.5°	1141.8	1139.8	1124.3	1024.9	987.9	832.0	886.5	911.9	1350.3	1515.9	1186.6
40°	1241.2	1241.2	1215.8	1093.1	1017.1	913.8	945.0	972.3	1447.7	1642.5	1190.5
42.5°	1356.1	1346.4	1317.1	1171.0	1063.8	964.5	1022.9	1046.3	1549.0	1802.3	1196.3
45°	1494.5	1484.7	1426.3	1280.1	1145.7	985.9	1079.4	1124.3	1664.0	1971.8	1231.4
47.5°	1626.9	1623.1	1556.8	1389.2	1227.5	1017.1	1122.3	1184.7	1802.3	2188.1	1299.6
50°	1790.6	1771.1	1685.4	1496.4	1301.6	1077.5	1233.4	1274.3	1948.4	2396.6	1402.9
52.5°	1938.7	1903.6	1814.0	1605.5	1391.2	1161.3	1402.9	1430.2	2116.0	2614.8	1521.7
55°	2082.9	2032.2	1909.5	1718.5	1476.9	1258.7	1586.0	1591.9	2307.0	2838.9	1667.9
57.5°	2299.2	2246.6	2069.2	1823.7	1589.9	1383.4	1763.3	1782.8	2496.0	3090.2	1839.3
60°	2599.2	2562.2	2347.9	2073.1	1790.6	1549.0	1975.7	2014.7	2683.0	3341.6	2008.8
62.5°	2714.2	2671.3	2509.6	2318.6	2077.0	1847.1	2238.8	2344.0	2852.5	3594.9	2205.6
65°	2402.4	2402.4	2316.7	2328.4	2256.3	2324.5	2612.9	2735.6	3051.3	3795.6	2375.1
67.5°	1562.6	1570.4	1625.0	1856.9	2114.1	2710.3	3257.8	3427.3	3353.3	4011.8	2517.4
70°	709.2	736.5	855.4	1176.9	1609.4	2733.7	4000.1	4247.6	3704.0	4159.9	2568.0
72.5°	463.7	473.5	500.7	621.6	946.9	2342.0	4411.3	4654.8	4023.5	4146.3	2476.5
75°	387.7	381.9	397.5	440.3	477.4	1607.5	4196.9	4399.6	3982.6	3900.8	2254.3
77.5°	321.5	315.6	331.2	354.6	282.5	882.6	3489.7	3606.6	3444.8	3333.8	1839.3
80°	247.5	247.5	255.2	286.4	206.5	428.7	2593.4	2681.1	2550.5	2381.0	1100.9
82.5°	169.5	167.6	185.1	220.2	165.6	247.5	1771.1	1773.1	1523.7	1159.3	518.3
85°	76.0	76.0	91.6	126.6	97.4	153.9	808.6	837.8	518.3	370.2	231.9
87.5°	25.3	25.3	27.3	31.2	33.1	72.1	226.0	229.9	200.7	228.0	171.5
90°	23.4	23.4	23.4	23.4	25.3	70.1	202.6	202.6	179.3	212.4	171.5
92.5°	23.4	23.4	21.4	19.5	21.4	64.3	224.1	241.6	196.8	222.1	179.3
95°	23.4	23.4	19.5	17.5	19.5	46.8	224.1	239.7	206.5	192.9	161.7
97.5°	15.6	15.6	13.6	13.6	15.6	27.3	163.7	169.5	132.5	97.4	97.4
100°	13.6	13.6	9.7	9.7	11.7	15.6	87.7	93.5	64.3	31.2	31.2
102.5°	13.6	13.6	7.8	7.8	7.8	9.7	25.3	27.3	23.4	13.6	15.6
105°	15.6	15.6	7.8	5.8	5.8	7.8	11.7	11.7	13.6	11.7	15.6
107.5°	13.6	13.6	5.8	5.8	5.8	5.8	5.8	5.8	7.8	11.7	15.6
110°	9.7	7.8	5.8	5.8	3.9	5.8	5.8	5.8	5.8	9.7	13.6

REPORT NUMBER: P696027  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	5.8	5.8	3.9	3.9	3.9	5.8	3.9	3.9	5.8	7.8	11.7
115°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	9.7
117.5°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	11.7
120°	5.8	5.8	3.9	1.9	3.9	3.9	3.9	3.9	3.9	7.8	11.7
122.5°	5.8	5.8	3.9	1.9	3.9	3.9	3.9	3.9	3.9	7.8	11.7
125°	5.8	5.8	3.9	1.9	3.9	1.9	3.9	3.9	3.9	7.8	9.7
127.5°	5.8	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9	5.8	9.7
130°	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9	5.8	9.7
132.5°	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9	5.8	7.8
135°	3.9	3.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
137.5°	3.9	3.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
147.5°	3.9	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
150°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
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: P696027  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	5.8	5.8	3.9	3.9	3.9	3.9	5.8	5.8	5.8	5.8	5.8
5°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
7.5°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
10°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
12.5°	46.8	40.9	31.2	17.5	7.8	3.9	3.9	3.9	5.8	7.8	7.8
15°	243.6	228.0	183.2	120.8	39.0	9.7	5.8	17.5	54.6	74.0	72.1
17.5°	278.6	255.2	190.9	132.5	107.2	48.7	50.7	91.6	107.2	115.0	113.0
20°	481.3	397.5	235.8	153.9	124.7	116.9	103.3	116.9	132.5	142.2	144.2
22.5°	547.5	455.9	280.6	229.9	159.8	165.6	153.9	148.1	210.4	226.0	229.9
25°	592.3	473.5	294.2	259.1	243.6	192.9	212.4	218.2	243.6	253.3	255.2
27.5°	759.9	557.3	362.4	296.2	272.8	243.6	251.3	251.3	278.6	325.4	327.3
30°	750.1	524.1	379.9	346.8	305.9	286.4	274.7	319.5	354.6	364.4	366.3
32.5°	878.7	567.0	424.8	366.3	341.0	304.0	325.4	350.7	372.2	399.4	415.0
35°	804.7	512.4	442.3	411.1	360.5	333.2	352.7	376.0	448.1	471.5	471.5
37.5°	722.9	467.6	426.7	415.0	387.7	354.6	360.5	424.8	457.9	448.1	448.1
40°	648.8	436.5	413.1	407.2	389.7	354.6	381.9	413.1	444.2	436.5	436.5
42.5°	602.1	417.0	399.4	395.5	381.9	348.8	370.2	407.2	442.3	428.7	426.7
45°	584.5	399.4	389.7	381.9	360.5	335.1	362.4	411.1	438.4	422.8	420.9
47.5°	602.1	389.7	379.9	370.2	342.9	313.7	366.3	405.3	430.6	407.2	403.3
50°	658.6	389.7	368.3	354.6	329.3	313.7	360.5	391.6	411.1	383.8	378.0
52.5°	732.6	397.5	356.6	337.1	315.6	311.8	352.7	383.8	395.5	366.3	364.4
55°	833.9	411.1	341.0	323.4	294.2	304.0	352.7	385.8	381.9	348.8	346.8
57.5°	937.2	426.7	327.3	313.7	280.6	294.2	348.8	387.7	364.4	323.4	323.4
60°	1048.3	446.2	309.8	302.0	270.8	280.6	337.1	383.8	346.8	304.0	304.0
62.5°	1159.3	455.9	296.2	290.3	259.1	266.9	323.4	372.2	341.0	300.1	300.1
65°	1249.0	446.2	282.5	274.7	243.6	251.3	304.0	362.4	331.2	302.0	304.0
67.5°	1299.6	418.9	268.9	263.0	228.0	235.8	280.6	341.0	315.6	300.1	304.0
70°	1276.2	372.2	251.3	243.6	212.4	222.1	259.1	315.6	305.9	300.1	305.9
72.5°	1174.9	337.1	229.9	226.0	192.9	206.5	245.5	294.2	294.2	311.8	313.7
75°	1046.3	300.1	212.4	208.5	179.3	189.0	239.7	268.9	274.7	298.1	304.0
77.5°	849.5	251.3	187.1	190.9	175.4	175.4	228.0	253.3	259.1	286.4	288.4
80°	520.2	185.1	161.7	171.5	161.7	167.6	214.3	235.8	239.7	276.7	280.6
82.5°	259.1	130.5	138.3	152.0	144.2	165.6	204.6	224.1	243.6	280.6	282.5
85°	132.5	79.9	105.2	122.8	124.7	183.2	200.7	231.9	228.0	253.3	259.1
87.5°	83.8	40.9	60.4	66.2	93.5	173.4	177.3	190.9	187.1	216.3	216.3
90°	81.8	33.1	52.6	50.7	93.5	148.1	136.4	138.3	148.1	183.2	185.1
92.5°	85.7	31.2	54.6	50.7	99.4	116.9	109.1	105.2	116.9	138.3	142.2
95°	76.0	29.2	58.5	54.6	85.7	77.9	70.1	77.9	76.0	76.0	77.9
97.5°	44.8	21.4	56.5	54.6	68.2	40.9	46.8	58.5	44.8	33.1	31.2
100°	19.5	13.6	54.6	52.6	42.9	25.3	39.0	48.7	33.1	13.6	13.6
102.5°	11.7	11.7	39.0	48.7	25.3	13.6	29.2	33.1	19.5	11.7	11.7
105°	11.7	11.7	19.5	29.2	9.7	7.8	13.6	15.6	9.7	9.7	9.7
107.5°	11.7	11.7	9.7	9.7	7.8	7.8	7.8	7.8	7.8	9.7	9.7
110°	11.7	11.7	7.8	9.7	7.8	5.8	5.8	5.8	7.8	9.7	9.7

REPORT NUMBER: P696027  
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	9.7	7.8	7.8	5.8	5.8	5.8	5.8	7.8	9.7	9.7
115°	9.7	9.7	7.8	5.8	5.8	5.8	5.8	5.8	7.8	9.7	9.7
117.5°	9.7	7.8	5.8	5.8	5.8	5.8	5.8	5.8	7.8	11.7	11.7
120°	9.7	7.8	5.8	5.8	3.9	3.9	5.8	5.8	7.8	11.7	11.7
122.5°	9.7	9.7	5.8	5.8	3.9	3.9	3.9	5.8	7.8	11.7	11.7
125°	9.7	7.8	5.8	5.8	3.9	3.9	3.9	3.9	7.8	11.7	11.7
127.5°	9.7	7.8	5.8	3.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7
130°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	3.9	7.8	9.7	11.7
132.5°	7.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	5.8	9.7	9.7
135°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	5.8	7.8	7.8
137.5°	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
140°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
142.5°	3.9	3.9	3.9	3.9	1.9	3.9	3.9	3.9	5.8	5.8	5.8
145°	5.8	3.9	3.9	3.9	1.9	1.9	3.9	3.9	5.8	5.8	5.8
147.5°	5.8	3.9	3.9	3.9	1.9	1.9	3.9	3.9	5.8	5.8	5.8
150°	5.8	5.8	3.9	3.9	1.9	1.9	3.9	3.9	5.8	5.8	5.8
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)