

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: P696034

Luminaire Tested: **LXF.LXT-PA16-827-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5254 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

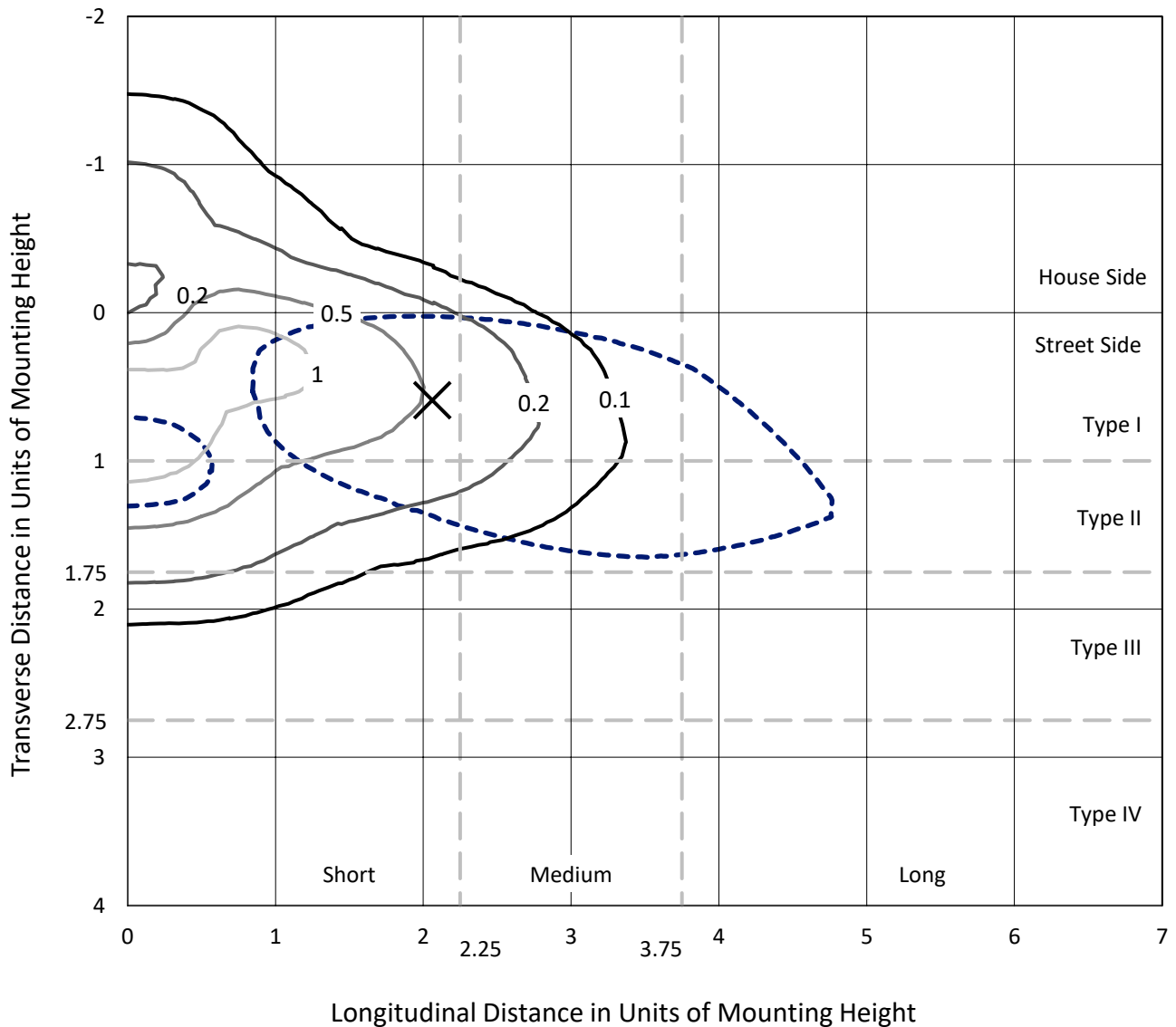
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P696034
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

Iso-Footcandle Lines of Horizontal Illumination

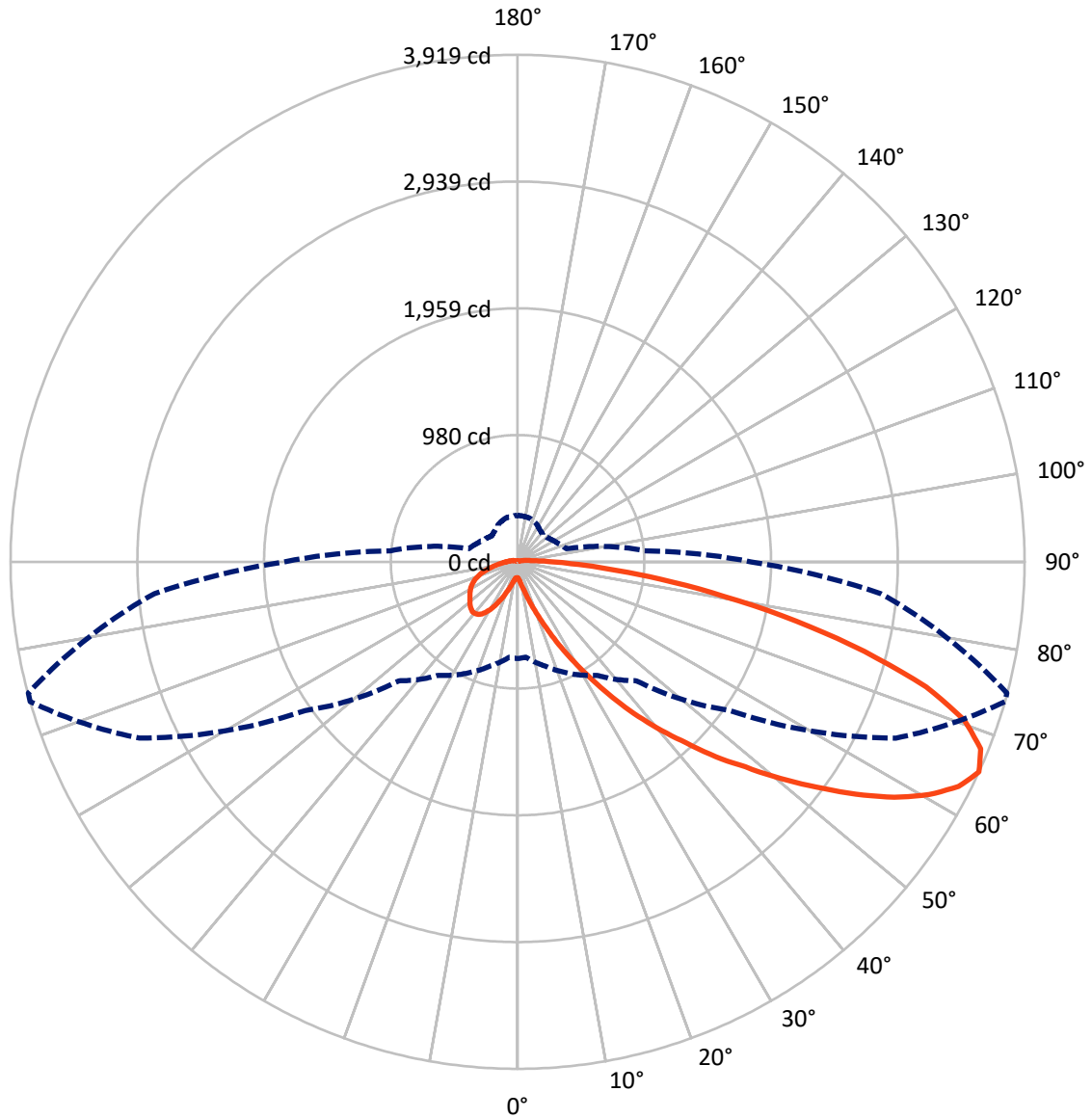
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

REPORT NUMBER: P696034
CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P696034
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

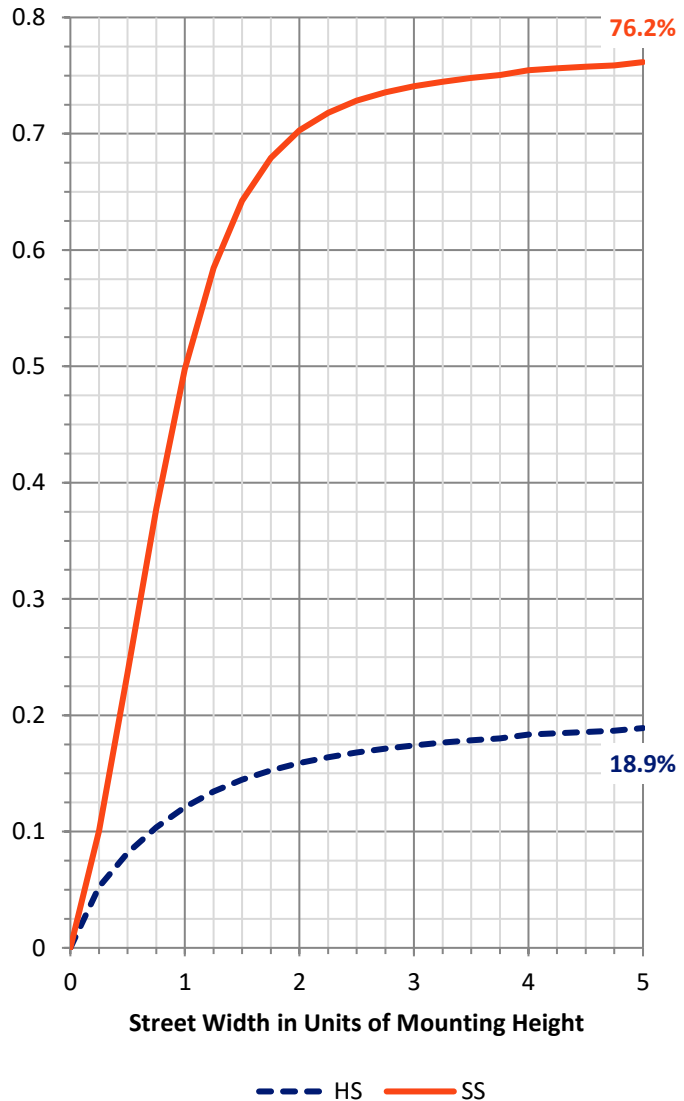
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.5	85.0	1127.5
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	4050.4	76.1	4126.5
	% Fixture	77.1	1.4	78.5
Total	Lumens	5092.9	161.1	5254.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.3
10°-20°	75.7	1.4
20°-30°	251.8	4.8
30°-40°	577.1	11.0
40°-50°	923.7	17.6
50°-60°	1146.5	21.8
60°-70°	1112.7	21.2
70°-80°	725.8	13.8
80°-90°	265.3	5.1
90°-100°	79.2	1.5
100°-110°	36.7	0.7
110°-120°	20.3	0.4
120°-130°	12.7	0.2
130°-140°	8.0	0.2
140°-150°	4.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5092.9	96.9
0°-180°	5254.0	100.0

Coefficient of Utilization

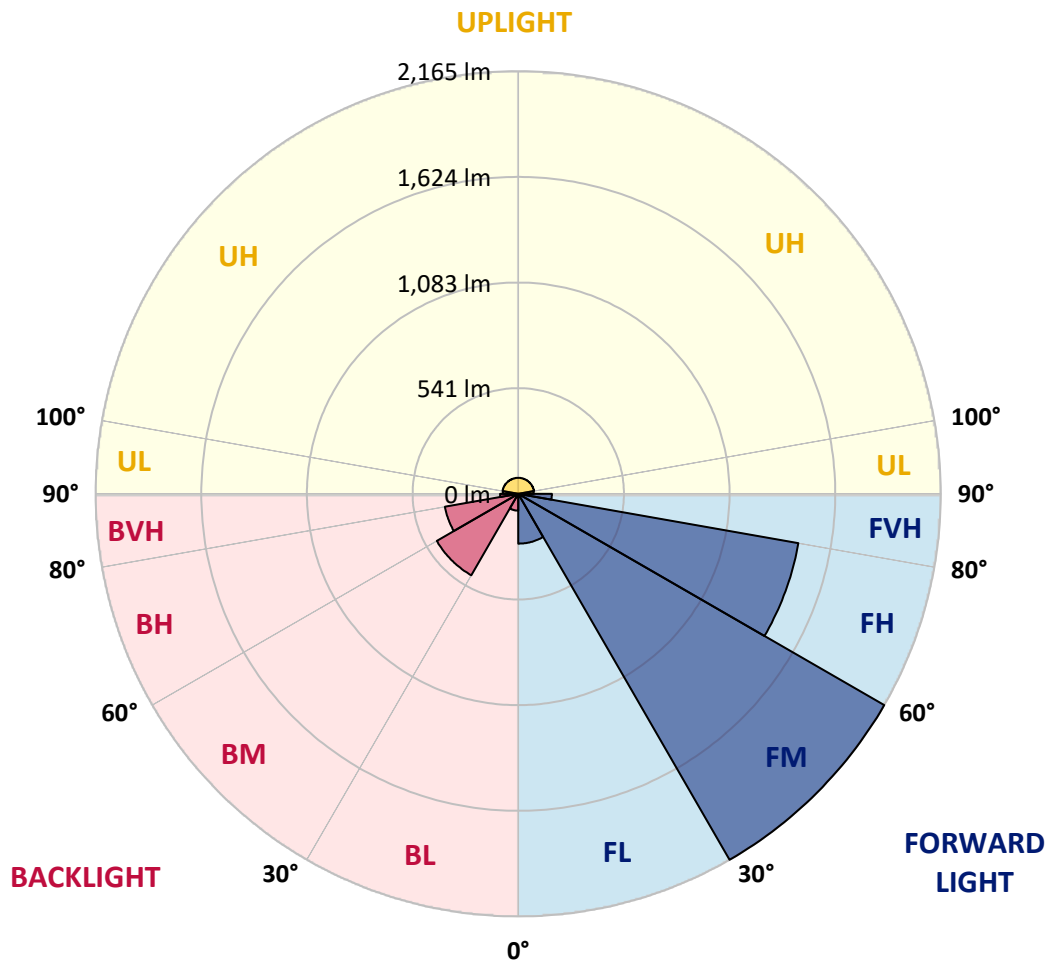


REPORT NUMBER: P696034
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.4	4.9			
FM (30°-60°)	2165.4	41.2			
FH (60°-80°)	1457.3	27.7			G1/1800
FVH (80°-90°)	172.3	3.3			G2/225
BL (0°-30°)	86.4	1.6	B0/110		
BM (30°-60°)	481.9	9.2	B1/1000		
BH (60°-80°)	381.2	7.3	B1/500		G1/500
BVH (80°-90°)	93.1	1.8			G1/100
UL (90°-100°)	79.2	1.5		U3/500	
UH (100°-180°)	81.9	1.6		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



REPORT NUMBER: P696034
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7
2.5°	142.2	144.1	144.1	142.2	140.2	140.2	136.3	132.4	130.5	130.5	128.6
5°	173.4	175.3	175.3	171.4	165.6	163.6	155.8	150.0	144.1	144.1	136.3
7.5°	218.2	220.1	216.2	212.3	204.5	196.7	187.0	175.3	163.6	161.7	151.9
10°	270.7	276.6	272.7	262.9	251.3	241.5	225.9	206.5	194.8	190.9	173.4
12.5°	352.5	348.7	338.9	329.2	315.5	296.1	274.6	251.3	227.9	229.8	206.5
15°	436.3	444.1	430.5	412.9	385.7	364.2	335.0	309.7	284.4	280.5	249.3
17.5°	559.0	557.1	541.5	506.4	465.5	444.1	412.9	381.8	352.5	342.8	301.9
20°	703.1	701.2	670.0	625.2	586.3	543.4	500.6	467.5	432.4	424.6	372.0
22.5°	874.5	866.8	833.6	769.4	703.1	650.6	605.8	580.4	533.7	525.9	453.8
25°	1073.2	1055.7	1018.7	933.0	831.7	771.3	730.4	701.2	656.4	646.7	553.2
27.5°	1293.3	1281.6	1213.5	1100.5	979.7	886.2	857.0	837.5	800.5	788.8	664.2
30°	1499.8	1503.7	1429.7	1287.5	1133.6	1020.6	999.2	1001.2	952.5	942.7	794.7
32.5°	1745.2	1729.6	1634.2	1470.6	1277.7	1160.9	1141.4	1168.7	1127.8	1120.0	936.9
35°	1940.0	1951.7	1850.4	1647.8	1423.8	1289.4	1297.2	1342.0	1318.6	1307.0	1063.5
37.5°	2127.0	2117.2	1998.4	1797.8	1550.4	1410.2	1439.4	1538.7	1515.4	1501.7	1213.5
40°	2251.6	2239.9	2136.7	1920.5	1665.3	1521.2	1577.7	1725.7	1716.0	1710.1	1342.0
42.5°	2310.1	2294.5	2210.7	2006.2	1749.1	1608.9	1719.9	1916.6	1914.7	1908.8	1490.0
45°	2296.4	2286.7	2222.4	2056.8	1803.6	1690.7	1846.5	2115.3	2150.3	2123.1	1626.4
47.5°	2236.0	2226.3	2181.5	2056.8	1832.9	1741.3	1959.5	2323.7	2368.5	2343.2	1778.3
50°	2115.3	2111.4	2099.7	2008.2	1829.0	1782.2	2068.5	2512.6	2633.4	2608.1	1951.7
52.5°	1945.8	1943.9	1963.4	1920.5	1791.9	1788.1	2154.2	2730.8	2892.4	2865.2	2121.1
55°	1747.1	1747.1	1780.3	1784.2	1719.9	1766.6	2220.5	2906.1	3171.0	3132.0	2306.2
57.5°	1493.9	1501.7	1575.7	1624.4	1601.1	1704.3	2243.8	3073.6	3433.9	3408.6	2497.0
60°	1242.7	1246.6	1332.3	1414.1	1455.0	1616.6	2222.4	3188.5	3654.0	3644.3	2650.9
62.5°	979.7	983.6	1073.2	1192.0	1271.9	1472.5	2142.5	3241.1	3825.4	3819.6	2763.9
65°	747.9	740.2	835.6	952.5	1071.3	1301.1	2004.3	3225.5	3918.9	3915.0	2818.4
67.5°	537.6	553.2	625.2	738.2	859.0	1118.0	1813.4	3073.6	3860.5	3864.4	2760.0
70°	389.6	414.9	465.5	551.2	675.9	919.3	1583.5	2820.4	3661.8	3685.2	2594.4
72.5°	300.0	301.9	342.8	411.0	510.3	728.5	1310.8	2475.6	3301.5	3309.3	2308.1
75°	233.7	239.6	266.8	315.5	391.5	564.9	1063.5	2049.1	2767.8	2812.6	1957.5
77.5°	190.9	192.8	214.3	243.5	300.0	426.6	794.7	1616.6	2201.0	2204.9	1527.1
80°	150.0	157.8	175.3	194.8	233.7	319.4	584.3	1184.2	1618.6	1593.3	1081.0
82.5°	114.9	120.8	134.4	155.8	177.2	239.6	418.8	835.6	1112.2	1092.7	740.2
85°	85.7	89.6	103.2	120.8	140.2	183.1	292.2	539.5	689.5	668.1	449.9
87.5°	60.4	62.3	74.0	89.6	107.1	138.3	202.6	331.1	414.9	407.1	278.5
90°	40.9	42.9	52.6	66.2	83.8	107.1	146.1	206.5	241.5	241.5	177.2
92.5°	29.2	31.2	39.0	50.6	66.2	85.7	107.1	134.4	148.0	146.1	120.8
95°	23.4	23.4	31.2	40.9	54.5	70.1	81.8	91.5	99.3	99.3	91.5
97.5°	19.5	19.5	27.3	35.1	46.7	58.4	66.2	68.2	72.1	72.1	68.2
100°	17.5	17.5	23.4	31.2	39.0	48.7	54.5	52.6	54.5	56.5	52.6
102.5°	15.6	15.6	21.4	27.3	35.1	42.9	44.8	42.9	42.9	42.9	40.9
105°	13.6	13.6	19.5	25.3	31.2	37.0	39.0	35.1	33.1	33.1	33.1
107.5°	11.7	11.7	17.5	21.4	27.3	33.1	33.1	31.2	27.3	27.3	25.3
110°	11.7	11.7	15.6	19.5	25.3	29.2	29.2	25.3	21.4	21.4	21.4

REPORT NUMBER: P696034
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.7	9.7	13.6	19.5	23.4	25.3	25.3	21.4	19.5	17.5	17.5
115°	9.7	9.7	13.6	17.5	21.4	23.4	23.4	19.5	15.6	15.6	15.6
117.5°	9.7	9.7	11.7	15.6	19.5	21.4	19.5	17.5	13.6	13.6	13.6
120°	9.7	9.7	11.7	13.6	17.5	19.5	19.5	15.6	11.7	11.7	13.6
122.5°	9.7	9.7	11.7	13.6	15.6	17.5	17.5	13.6	11.7	11.7	11.7
125°	9.7	9.7	11.7	13.6	15.6	17.5	15.6	13.6	9.7	9.7	11.7
127.5°	9.7	9.7	11.7	11.7	13.6	15.6	13.6	11.7	9.7	9.7	11.7
130°	9.7	9.7	11.7	11.7	13.6	13.6	13.6	9.7	9.7	9.7	9.7
132.5°	11.7	11.7	11.7	11.7	11.7	13.6	11.7	9.7	7.8	7.8	9.7
135°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.7	7.8	7.8	9.7
137.5°	9.7	11.7	9.7	9.7	9.7	11.7	9.7	7.8	7.8	7.8	7.8
140°	9.7	9.7	9.7	9.7	9.7	9.7	7.8	5.8	7.8	7.8	7.8
142.5°	9.7	9.7	9.7	7.8	7.8	7.8	7.8	5.8	5.8	5.8	7.8
145°	7.8	7.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8
147.5°	7.8	7.8	7.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	5.8
150°	5.8	5.8	5.8	5.8	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: P696034
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7
2.5°	126.6	124.7	122.7	120.8	116.9	114.9	114.9	113.0	113.0	113.0	113.0
5°	132.4	130.5	124.7	118.8	113.0	109.1	105.2	105.2	103.2	101.3	101.3
7.5°	146.1	140.2	130.5	120.8	114.9	107.1	103.2	99.3	97.4	97.4	97.4
10°	165.6	157.8	142.2	128.6	118.8	109.1	103.2	99.3	97.4	95.4	95.4
12.5°	192.8	183.1	159.7	142.2	124.7	114.9	107.1	103.2	101.3	101.3	101.3
15°	231.8	216.2	187.0	157.8	138.3	120.8	116.9	116.9	118.8	118.8	118.8
17.5°	282.4	259.1	214.3	177.2	151.9	136.3	130.5	132.4	136.3	136.3	136.3
20°	337.0	309.7	249.3	202.6	169.5	155.8	148.0	151.9	157.8	161.7	161.7
22.5°	412.9	374.0	292.2	229.8	190.9	173.4	169.5	173.4	183.1	187.0	187.0
25°	500.6	442.1	337.0	259.1	214.3	194.8	190.9	196.7	208.4	218.2	218.2
27.5°	592.1	518.1	385.7	288.3	235.7	212.3	210.4	220.1	235.7	245.4	247.4
30°	697.3	596.0	430.5	317.5	257.1	229.8	229.8	245.4	262.9	276.6	278.5
32.5°	800.5	677.8	469.4	342.8	276.6	245.4	247.4	266.8	290.2	301.9	305.8
35°	905.7	747.9	504.5	364.2	290.2	259.1	262.9	288.3	311.6	325.3	325.3
37.5°	1007.0	812.2	522.0	375.9	301.9	268.8	276.6	305.8	329.2	340.9	342.8
40°	1104.4	860.9	533.7	383.7	309.7	278.5	286.3	317.5	342.8	354.5	354.5
42.5°	1190.1	901.8	535.6	385.7	315.5	284.4	296.1	327.2	350.6	358.4	360.3
45°	1277.7	936.9	525.9	381.8	319.4	290.2	300.0	333.1	354.5	360.3	362.3
47.5°	1357.6	966.1	514.2	377.9	321.4	292.2	303.9	337.0	356.4	358.4	360.3
50°	1451.1	989.5	496.7	372.0	323.3	294.1	305.8	337.0	356.4	356.4	356.4
52.5°	1540.7	1008.9	479.2	366.2	323.3	294.1	305.8	338.9	356.4	354.5	354.5
55°	1638.1	1026.5	461.6	362.3	321.4	294.1	305.8	338.9	354.5	352.5	354.5
57.5°	1714.0	1034.3	448.0	358.4	321.4	292.2	303.9	337.0	352.5	352.5	352.5
60°	1780.3	1032.3	430.5	354.5	319.4	290.2	303.9	335.0	352.5	352.5	352.5
62.5°	1819.2	1014.8	412.9	350.6	315.5	286.3	301.9	335.0	352.5	354.5	354.5
65°	1803.6	983.6	389.6	340.9	307.7	282.4	300.0	331.1	350.6	356.4	358.4
67.5°	1737.4	913.5	364.2	327.2	300.0	278.5	298.0	327.2	346.7	356.4	356.4
70°	1599.1	825.9	331.1	307.7	286.3	272.7	292.2	321.4	338.9	350.6	350.6
72.5°	1406.3	712.9	300.0	282.4	270.7	262.9	286.3	311.6	327.2	337.0	337.0
75°	1168.7	592.1	262.9	253.2	251.3	249.3	274.6	298.0	307.7	315.5	315.5
77.5°	913.5	477.2	224.0	224.0	224.0	231.8	259.1	274.6	282.4	290.2	290.2
80°	668.1	364.2	188.9	190.9	196.7	212.3	235.7	247.4	251.3	259.1	255.2
82.5°	455.8	264.9	157.8	157.8	169.5	187.0	210.4	216.2	218.2	224.0	218.2
85°	300.0	190.9	130.5	130.5	142.2	159.7	177.2	181.1	181.1	185.0	179.2
87.5°	194.8	140.2	107.1	107.1	114.9	132.4	146.1	146.1	146.1	150.0	144.1
90°	138.3	107.1	89.6	87.6	93.5	107.1	116.9	114.9	114.9	116.9	113.0
92.5°	101.3	87.6	76.0	74.0	77.9	87.6	93.5	91.5	93.5	91.5	89.6
95°	79.9	72.1	66.2	64.3	66.2	72.1	76.0	74.0	74.0	72.1	70.1
97.5°	64.3	60.4	58.4	56.5	56.5	58.4	62.3	60.4	62.3	58.4	56.5
100°	52.6	50.6	50.6	50.6	48.7	50.6	52.6	52.6	52.6	48.7	48.7
102.5°	40.9	42.9	44.8	44.8	42.9	44.8	44.8	44.8	44.8	40.9	40.9
105°	33.1	35.1	39.0	39.0	39.0	39.0	39.0	39.0	39.0	35.1	35.1
107.5°	27.3	29.2	33.1	35.1	33.1	33.1	35.1	35.1	33.1	31.2	31.2
110°	23.4	25.3	27.3	29.2	29.2	29.2	31.2	31.2	29.2	27.3	25.3

REPORT NUMBER: P696034
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

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