

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: P415687

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-827-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4510 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

Input Watts (W): 54  
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: 28.75 FT

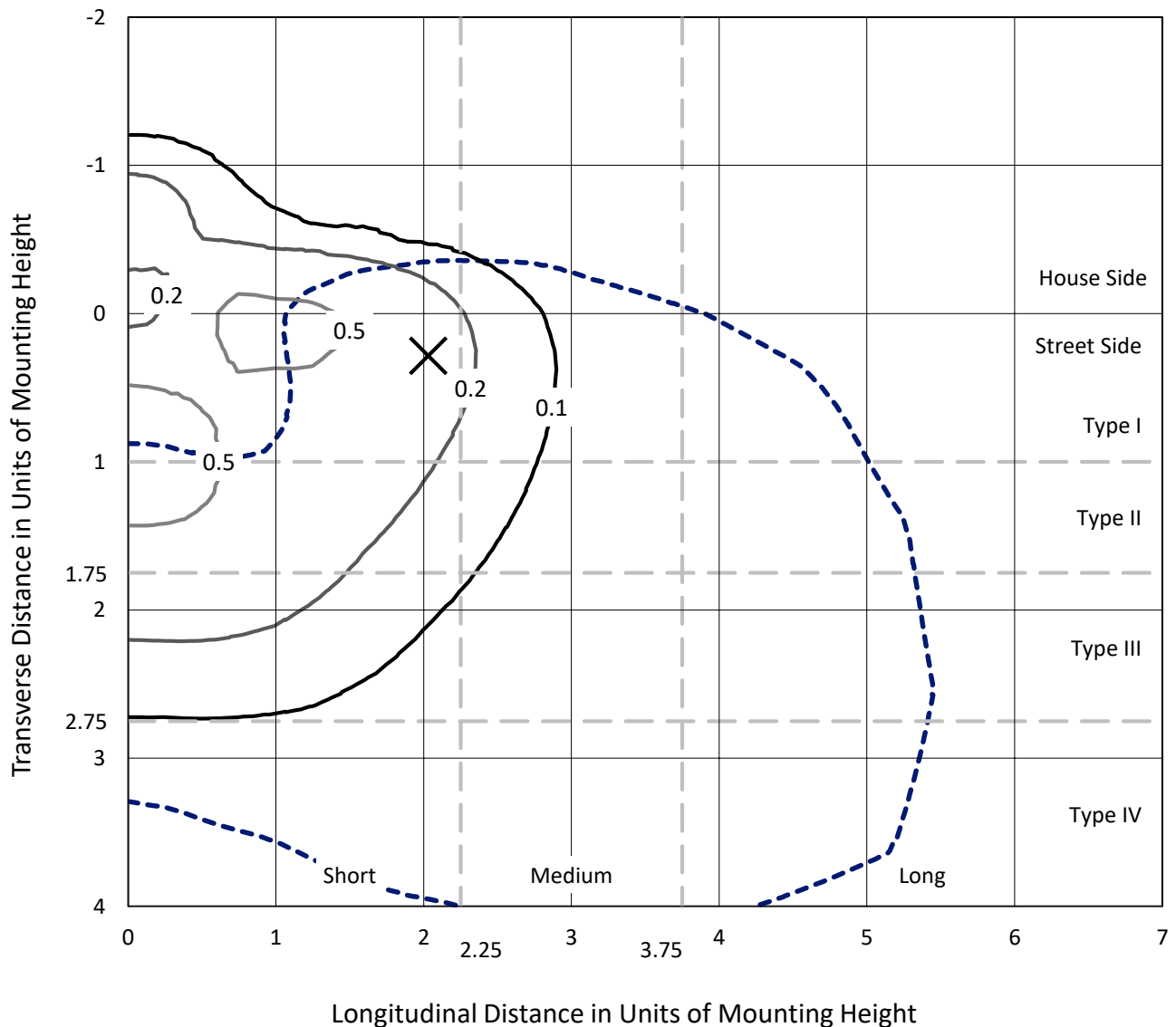


REPORT NUMBER: P415687

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-A

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

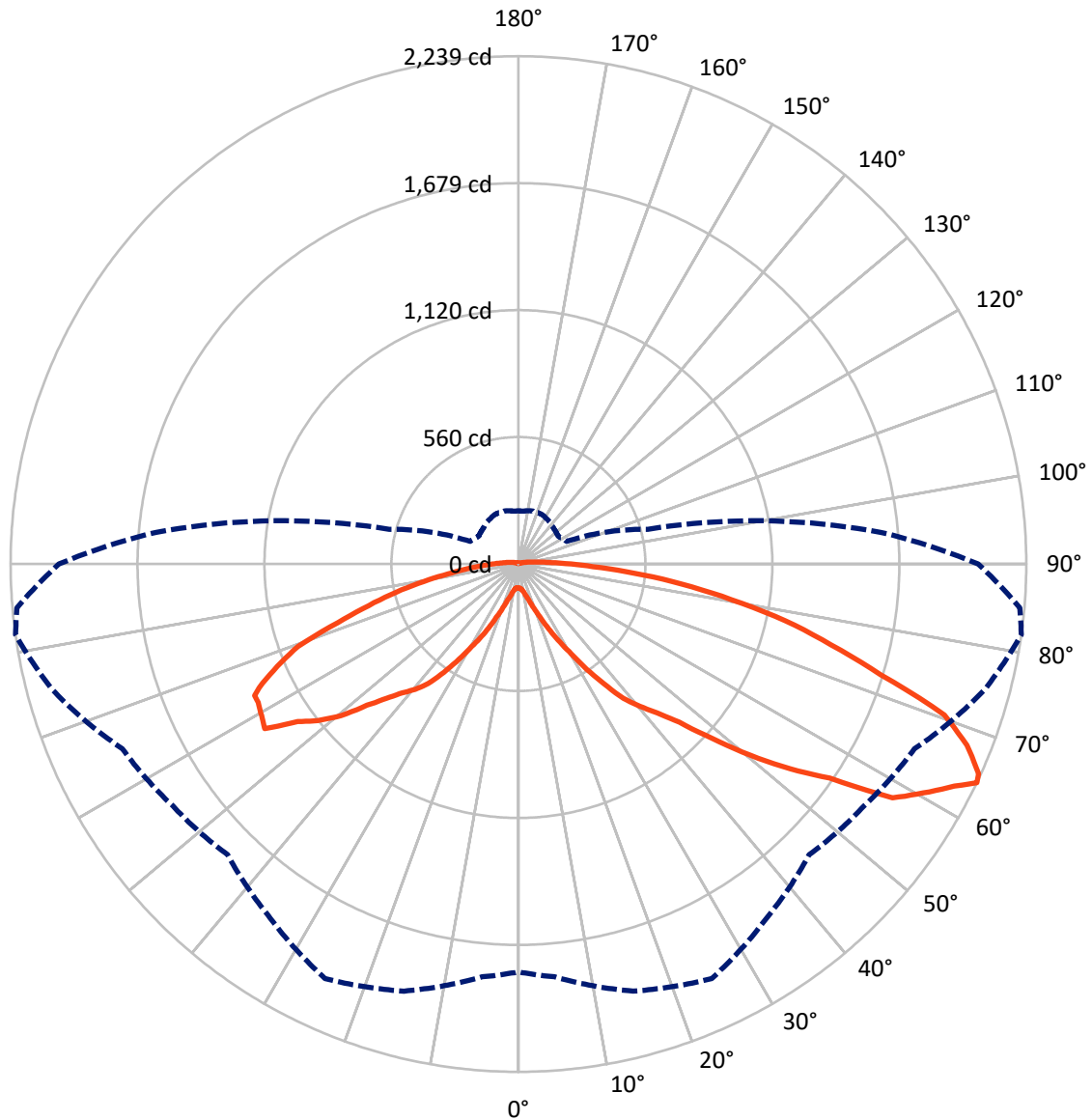


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P415687

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P415687

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-A

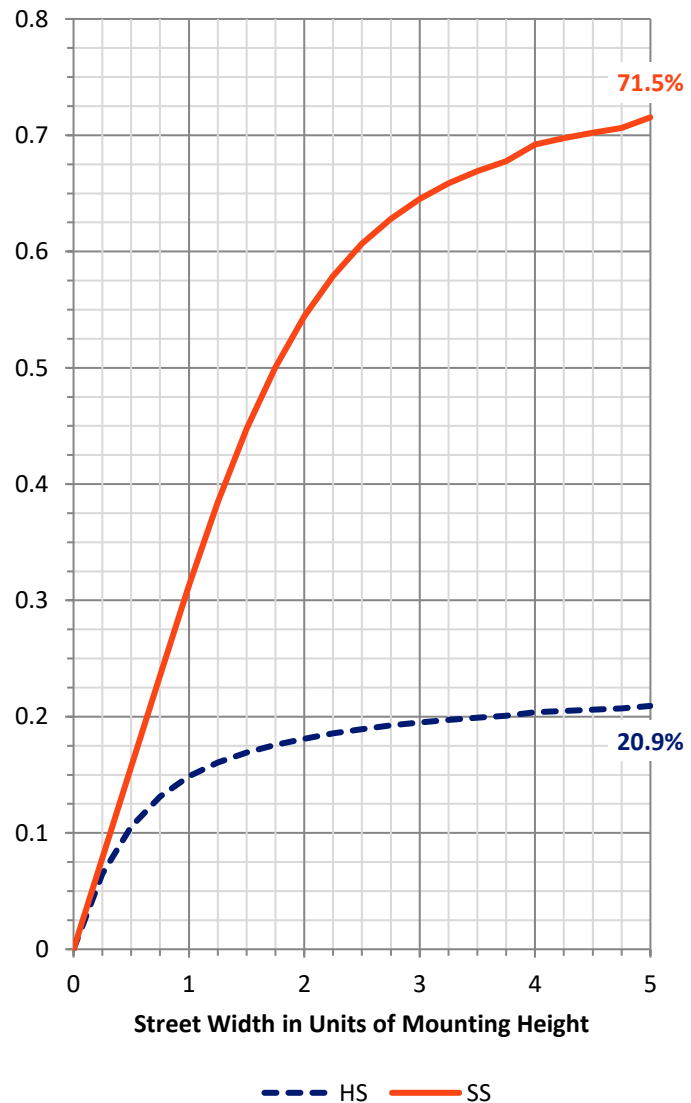
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	991.4	74.3	1065.7
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	3346.9	97.3	3444.3
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	4338.4	171.6	4510.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	0.2
10°-20°	46.4	1.0
20°-30°	133.7	3.0
30°-40°	306.9	6.8
40°-50°	539.0	12.0
50°-60°	865.8	19.2
60°-70°	1162.2	25.8
70°-80°	888.6	19.7
80°-90°	384.9	8.5
90°-100°	108.1	2.4
100°-110°	32.8	0.7
110°-120°	14.4	0.3
120°-130°	8.2	0.2
130°-140°	5.0	0.1
140°-150°	2.2	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4338.4	96.2
0°-180°	4510.0	100.0



REPORT NUMBER: P415687

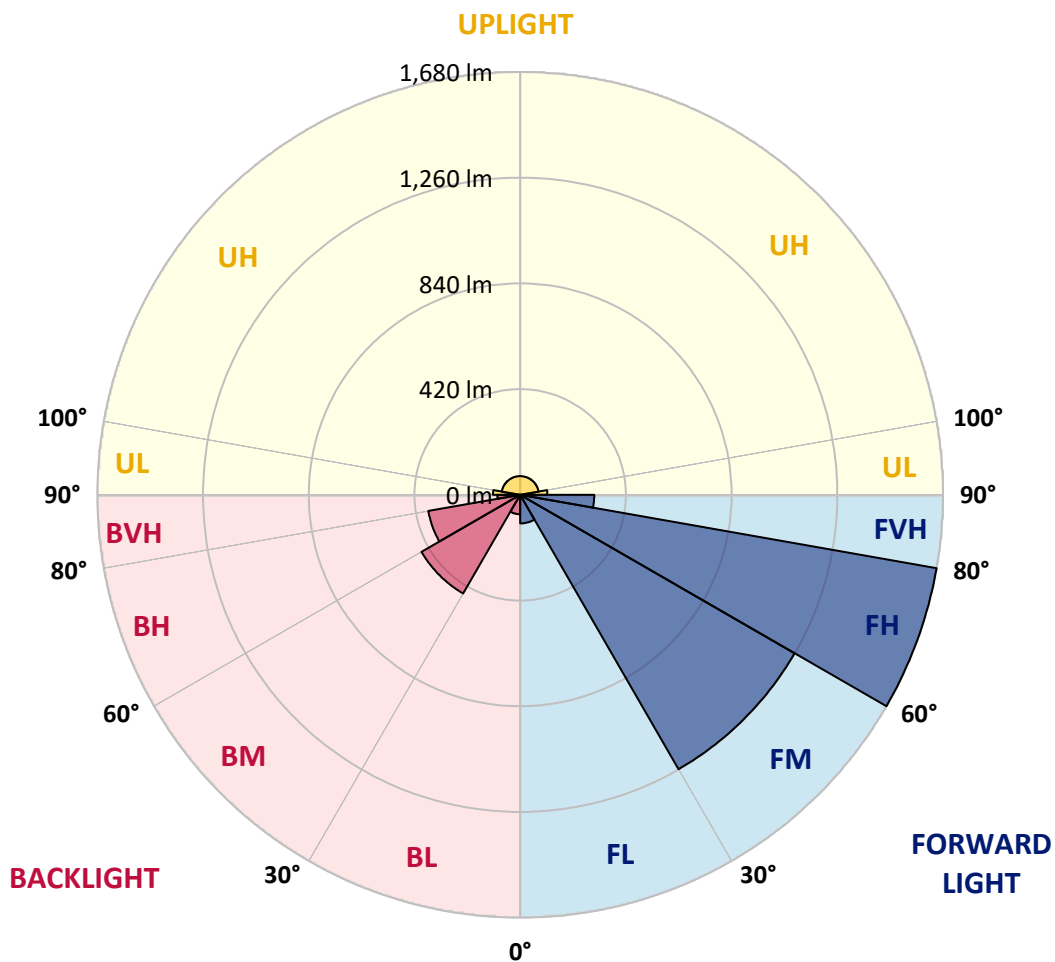
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.6	2.5			
FM	(30°-60°)	1259.0	27.9			
FH	(60°-80°)	1680.2	37.3			G1/1800
FVH	(80°-90°)	294.2	6.5			G3/500
BL	(0°-30°)	77.4	1.7	B0/110		
BM	(30°-60°)	452.8	10.0	B1/1000		
BH	(60°-80°)	370.6	8.2	B1/500		G1/500
BVH	(80°-90°)	90.7	2.0			G1/100
UL	(90°-100°)	108.1	2.4		U3/500	
UH	(100°-180°)	74.3	1.6		U3/500	

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

Type IV Short





REPORT NUMBER: P415687

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4
2.5°	113.2	112.6	112.6	113.2	113.2	112.1	110.0	108.5	106.9	106.4	105.9
5°	123.5	123.0	122.5	123.0	121.5	119.9	116.8	113.7	111.6	109.5	109.0
7.5°	137.6	137.0	136.5	135.5	133.4	130.3	125.6	121.5	117.8	115.2	114.2
10°	155.7	153.6	153.1	151.0	147.4	142.2	137.0	131.8	127.7	124.1	122.5
12.5°	180.6	180.6	176.5	171.8	165.6	157.8	151.0	146.9	142.7	140.7	137.6
15°	211.3	210.2	206.1	198.3	187.9	179.1	171.8	166.6	164.0	160.4	158.8
17.5°	245.0	242.9	239.3	227.4	214.9	205.6	197.2	192.1	190.5	187.4	186.9
20°	289.1	286.0	277.2	262.6	245.5	235.1	227.4	221.6	221.1	222.2	221.6
22.5°	341.5	339.5	328.6	302.1	282.9	267.8	257.5	258.5	265.2	268.4	264.2
25°	404.4	406.4	388.3	353.0	327.5	302.1	297.9	303.7	318.7	327.0	327.5
27.5°	478.6	478.1	454.2	415.3	375.8	347.3	340.5	357.1	378.4	390.3	390.3
30°	561.6	568.9	535.2	484.3	429.3	395.5	390.3	415.8	438.1	459.4	465.6
32.5°	672.2	670.6	627.0	565.8	492.6	444.8	440.7	472.9	523.2	552.8	552.8
35°	809.7	804.0	743.3	651.4	553.3	499.9	500.4	545.0	611.5	647.8	651.4
37.5°	928.1	932.8	871.5	759.9	631.7	562.7	568.9	629.1	709.1	751.6	766.1
40°	1054.8	1056.3	988.8	867.4	716.3	629.6	644.7	714.2	790.0	825.3	839.3
42.5°	1166.4	1175.7	1108.2	975.3	802.0	711.6	718.9	779.6	854.9	897.0	916.7
45°	1243.2	1248.4	1206.8	1074.5	894.9	795.2	794.2	850.8	947.8	994.5	1026.2
47.5°	1347.5	1361.5	1301.8	1174.1	990.4	880.3	871.5	944.2	1071.9	1147.7	1174.7
50°	1470.0	1491.3	1449.2	1295.1	1099.4	980.5	982.1	1068.8	1226.0	1325.2	1353.2
52.5°	1592.0	1600.3	1572.3	1440.4	1226.0	1097.3	1109.8	1218.3	1398.9	1500.6	1517.8
55°	1657.4	1669.3	1677.6	1573.3	1378.1	1235.9	1257.7	1388.5	1546.3	1665.7	1704.6
57.5°	1719.7	1736.3	1758.1	1687.0	1529.2	1407.2	1428.5	1544.8	1775.2	1945.5	1975.1
60°	1825.1	1839.6	1881.6	1823.5	1667.8	1570.7	1593.0	1756.5	1933.0	2050.3	2053.4
62.5°	1823.5	1846.3	1948.1	1962.6	1816.2	1728.0	1782.5	1870.7	2010.4	2157.8	2154.7
64°	1798.6	1827.1	1949.6	2017.1	1906.5	1813.1	1860.3	1926.8	2130.3	2239.3	2219.5
65°	1780.9	1812.6	1945.0	2031.1	1955.9	1861.4	1896.7	1973.5	2165.0	2229.9	2202.9
67.5°	1683.9	1719.2	1894.6	2029.6	2006.7	1937.2	1948.6	2020.2	2107.4	2132.9	2084.6
70°	1510.0	1528.7	1728.0	1944.4	1956.4	1889.9	1921.1	1957.9	2005.7	1993.2	1929.9
72.5°	1191.8	1230.2	1431.6	1739.9	1807.9	1760.2	1772.1	1790.3	1742.0	1670.4	1595.1
75°	848.7	882.9	1070.8	1372.4	1574.3	1555.1	1571.7	1542.7	1489.2	1423.8	1350.1
77.5°	590.2	601.1	756.3	1035.5	1258.2	1316.9	1352.7	1311.7	1281.6	1203.2	1144.0
80°	382.0	400.2	497.8	750.1	997.1	1117.0	1174.7	1148.2	1078.1	953.0	885.5
82.5°	236.7	251.2	328.1	532.6	790.5	957.2	1012.7	976.4	864.3	724.6	657.1
85°	135.5	138.6	192.1	346.7	577.7	760.4	834.7	776.5	646.2	511.3	452.1
87.5°	77.9	80.5	114.7	212.3	399.7	573.1	643.6	559.0	433.9	328.6	289.6
90°	49.8	52.9	74.2	138.6	257.5	409.5	461.5	383.6	290.7	208.1	183.2
92.5°	34.3	35.8	49.8	86.2	166.1	270.4	308.3	256.4	181.2	132.9	117.8
95°	24.9	26.0	35.3	58.7	106.9	169.7	190.5	162.5	118.9	88.2	78.9
97.5°	20.2	20.8	27.5	43.1	73.7	108.0	114.2	101.2	78.9	62.8	59.2
100°	17.1	17.6	22.8	33.2	52.4	70.6	72.2	68.0	55.5	46.7	44.6
102.5°	15.6	15.6	19.2	27.0	39.4	50.3	50.3	46.7	38.4	34.3	34.3
105°	14.0	14.0	16.6	22.3	31.1	38.9	38.4	34.3	29.1	26.0	26.5
107.5°	12.5	12.5	14.5	18.2	25.4	30.6	29.6	25.4	22.3	20.2	20.8



REPORT NUMBER: P415687

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	11.4	11.4	13.0	15.6	21.3	25.4	23.9	19.7	16.6	16.6	17.1
112.5°	10.4	10.4	11.4	14.0	18.2	20.8	19.2	15.6	13.5	13.5	14.0
115°	9.3	9.3	10.4	12.5	16.1	17.6	16.1	12.5	10.9	11.4	12.5
117.5°	8.8	8.8	9.9	11.4	14.0	15.1	13.5	10.4	9.3	10.4	10.9
120°	8.3	8.3	9.3	10.9	13.0	13.5	11.4	9.3	8.3	9.3	9.9
122.5°	8.3	8.3	8.8	10.4	11.9	11.9	10.4	8.3	7.3	8.3	8.8
125°	8.3	8.3	8.8	9.9	10.9	10.9	9.3	7.3	6.7	7.8	7.8
127.5°	8.8	8.8	9.3	9.9	10.4	9.9	8.3	6.7	6.2	7.3	7.3
130°	8.8	8.8	8.8	9.3	9.3	8.8	7.3	6.2	6.2	6.7	7.3
132.5°	8.8	8.8	8.8	8.8	8.8	7.8	6.7	5.7	6.2	6.7	7.3
135°	8.3	8.3	8.3	8.3	7.8	6.7	5.7	4.7	5.7	6.2	6.2
137.5°	7.3	7.8	7.3	7.3	7.3	6.2	4.7	4.2	4.7	5.7	5.7
140°	6.7	6.7	6.7	6.7	6.2	5.2	4.2	3.1	3.6	4.7	4.7
142.5°	6.2	6.2	6.2	5.7	5.7	4.7	3.1	2.6	3.1	3.6	3.6
145°	5.2	5.2	5.2	5.2	4.7	3.6	2.6	2.1	2.6	3.1	3.1
147.5°	4.2	4.2	4.2	4.2	3.6	3.1	2.1	2.1	2.6	2.6	2.6
150°	3.1	3.6	3.6	3.6	3.1	2.6	1.6	1.6	2.1	2.6	2.6
152.5°	2.6	2.6	2.6	3.1	2.6	1.6	1.0	1.6	2.1	2.1	2.1
155°	1.6	2.1	2.1	2.1	2.1	1.6	1.0	1.6	1.6	2.1	2.1
157.5°	1.0	1.0	1.6	1.6	1.6	1.6	1.0	1.0	1.6	1.6	1.6
160°	0.5	0.5	1.0	1.6	1.6	1.6	1.0	1.0	1.6	1.6	1.6
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





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CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4
2.5°	105.4	104.9	103.8	102.8	102.3	102.3	101.2	100.7	99.1	99.1	98.6
5°	107.4	106.4	104.3	102.3	100.7	100.2	99.1	97.6	96.5	96.0	96.0
7.5°	112.1	110.6	106.4	103.8	101.7	100.2	99.1	97.6	96.5	96.0	96.0
10°	119.9	117.3	112.6	108.0	104.9	102.8	101.7	101.2	100.7	100.2	100.2
12.5°	135.0	131.3	123.5	117.8	111.6	108.5	107.4	108.5	111.1	112.1	112.6
15°	155.7	151.0	141.7	131.3	122.0	116.8	118.9	124.1	128.7	130.8	130.3
17.5°	181.7	174.4	163.0	149.0	136.0	133.4	135.5	141.2	147.9	151.0	150.5
20°	214.9	209.2	192.1	169.2	154.7	150.5	152.1	159.4	169.2	172.3	173.4
22.5°	260.6	252.3	225.8	194.1	174.9	167.1	168.7	178.0	191.5	198.8	200.4
25°	319.7	310.9	272.0	223.7	193.6	181.7	187.9	200.4	222.2	233.6	232.5
27.5°	388.3	373.2	322.3	260.1	215.4	196.7	206.1	226.3	249.2	263.7	262.6
30°	451.6	438.6	370.6	293.3	234.1	211.3	221.1	247.1	273.6	291.2	292.2
32.5°	546.6	522.7	427.2	321.8	249.2	223.2	232.5	264.2	294.8	316.1	315.6
35°	644.7	617.7	489.5	355.0	262.1	231.0	240.8	276.7	310.4	335.8	336.4
37.5°	748.0	710.1	545.0	376.8	272.5	235.7	245.5	285.5	328.6	357.6	358.7
40°	817.5	774.5	578.8	388.3	275.6	238.8	249.7	291.7	331.7	353.0	355.0
42.5°	895.4	834.7	596.4	378.9	272.0	238.3	250.7	287.0	318.2	333.2	334.8
45°	1002.8	921.3	615.6	364.4	262.1	236.7	246.6	274.6	294.8	300.5	300.5
47.5°	1142.5	1026.7	647.8	348.8	251.7	232.0	239.3	257.5	265.2	264.2	261.6
50°	1310.1	1176.2	686.7	335.3	241.9	226.3	231.0	241.4	244.0	240.8	239.3
52.5°	1477.3	1296.6	713.7	323.4	235.7	221.1	224.2	232.0	232.0	222.7	221.1
55°	1630.4	1405.6	706.5	300.5	231.0	218.5	221.6	227.4	222.7	211.8	209.7
57.5°	1878.0	1594.1	725.1	278.2	224.2	218.0	222.2	225.8	219.0	208.7	206.6
60°	1922.1	1586.3	681.0	264.2	219.6	219.6	224.2	228.4	223.7	214.4	213.9
62.5°	1983.4	1593.5	614.1	244.0	216.5	220.6	228.9	235.1	234.6	227.9	226.8
64°	2026.5	1603.9	590.2	234.6	213.9	220.6	232.5	241.9	241.9	234.1	234.1
65°	1983.9	1564.5	572.5	229.9	211.3	220.6	234.6	246.0	245.0	238.8	237.7
67.5°	1855.2	1436.3	497.8	219.6	205.6	220.6	240.3	252.8	254.3	249.2	247.1
70°	1697.9	1296.1	432.9	207.6	199.8	218.0	240.3	256.9	259.5	253.8	252.3
72.5°	1383.8	1042.3	357.1	194.7	191.5	211.8	237.2	254.9	257.5	250.7	248.6
75°	1160.1	851.3	295.9	182.2	182.7	204.0	229.4	245.5	245.5	238.3	235.1
77.5°	955.6	687.2	245.0	170.3	172.3	194.1	215.4	225.8	222.7	215.9	211.8
80°	715.8	519.1	201.9	157.3	159.4	178.0	195.7	203.0	199.8	191.5	190.5
82.5°	523.7	373.2	172.3	143.8	145.3	160.4	173.4	179.6	182.2	175.4	173.4
85°	344.1	263.2	147.9	130.3	131.3	142.7	151.0	156.2	161.9	159.9	158.8
87.5°	224.8	182.2	125.1	114.7	115.8	125.1	130.8	136.0	147.4	149.0	146.9
90°	151.0	127.7	103.3	99.1	100.7	108.5	111.6	116.8	129.2	131.3	131.3
92.5°	101.2	91.4	83.6	83.6	86.2	92.9	93.4	95.0	105.4	108.0	106.9
95°	71.1	68.0	67.5	68.5	71.6	76.8	74.2	73.2	79.9	80.5	79.4
97.5°	54.5	53.5	54.5	56.1	57.6	62.8	60.2	57.6	60.7	59.7	60.7
100°	43.6	43.1	44.6	44.6	46.2	50.9	48.8	47.2	47.8	45.7	45.7
102.5°	34.8	34.8	36.3	36.9	37.9	41.5	41.0	39.4	38.4	36.3	36.9
105°	27.0	27.5	29.6	30.1	31.7	34.8	34.3	32.2	31.1	28.5	29.1
107.5°	21.8	22.8	24.4	24.9	26.5	29.1	28.0	26.0	24.4	23.4	23.4



REPORT NUMBER: P415687

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.2	18.7	20.2	20.8	22.3	24.4	23.9	21.3	19.2	18.7	19.2
112.5°	15.1	16.1	17.1	17.6	19.2	20.8	19.2	17.1	15.6	16.1	16.1
115°	13.0	13.5	14.5	15.1	16.1	17.6	16.1	14.0	13.0	13.5	14.0
117.5°	11.9	12.5	13.0	13.0	14.0	15.1	13.5	11.9	11.4	11.9	12.5
120°	10.4	10.9	11.4	11.9	12.5	13.0	11.9	10.4	9.9	10.9	10.9
122.5°	9.3	9.9	9.9	10.4	10.9	11.4	10.4	9.3	8.8	9.3	9.9
125°	8.3	8.8	9.3	9.3	9.9	9.9	9.3	8.3	8.3	8.8	8.8
127.5°	7.8	8.3	8.3	8.8	8.8	8.8	8.3	7.3	7.8	8.3	8.3
130°	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.7	7.3	7.8	7.8
132.5°	7.3	7.3	7.3	7.3	7.3	6.7	6.2	6.2	6.7	7.3	7.3
135°	6.7	6.7	6.2	6.2	6.2	6.2	5.7	5.7	5.7	6.2	6.2
137.5°	5.7	5.7	5.2	5.2	5.2	5.2	4.7	4.7	5.2	5.7	5.7
140°	4.7	4.7	4.2	4.2	4.2	4.2	4.2	4.2	4.7	4.7	5.2
142.5°	3.6	3.6	3.6	3.1	3.1	3.6	3.6	3.6	4.2	4.2	4.2
145°	3.1	3.1	3.1	2.6	2.6	3.1	3.1	3.1	3.6	3.6	3.6
147.5°	2.6	2.6	2.6	2.1	1.6	2.6	2.6	2.6	3.1	2.6	2.6
150°	2.6	2.6	2.1	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	1.6	1.0	1.0	1.6	2.1	1.6	1.6	1.6
155°	2.1	2.1	1.6	1.6	1.0	0.5	1.0	1.6	1.0	1.0	1.0
157.5°	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	0.5	0.5	0.5
160°	1.6	1.6	1.0	1.0	0.5	0.5	1.0	1.0	0.5	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)