

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: P415288

Luminaire Tested: **LXF.LXT-PA1-40-830-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-830-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 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: 3811 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

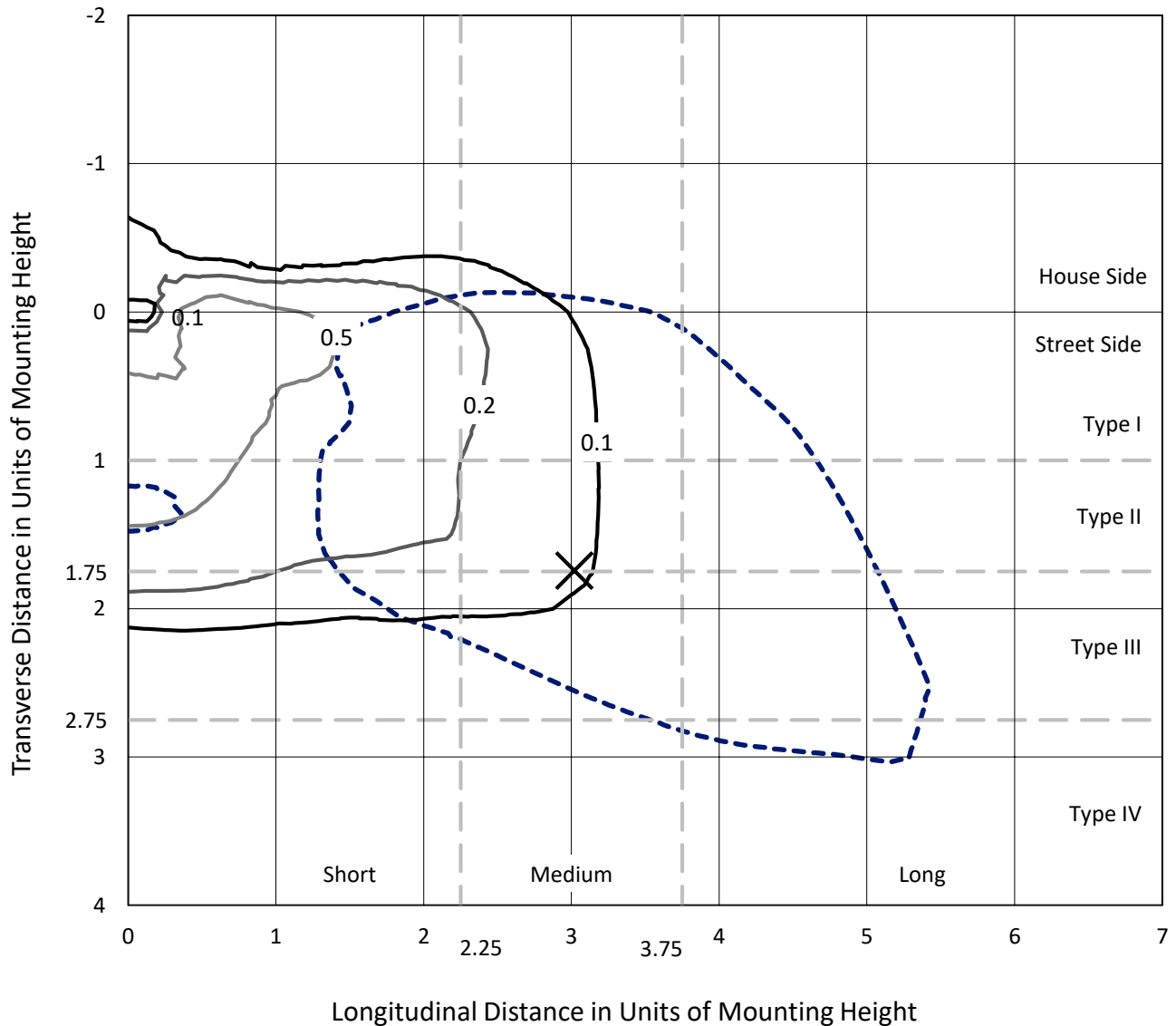
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415288  
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

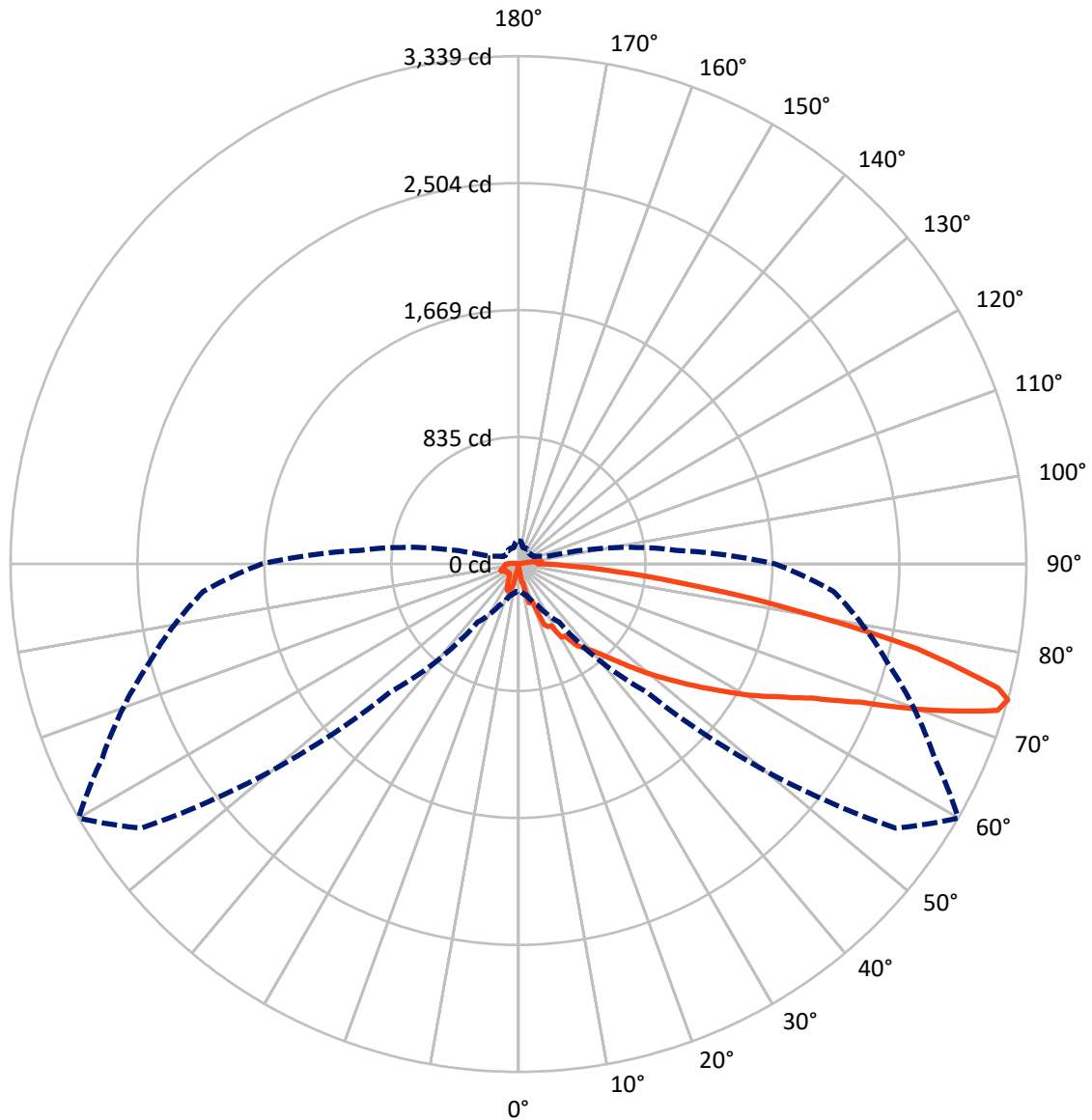


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P415288

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P415288

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

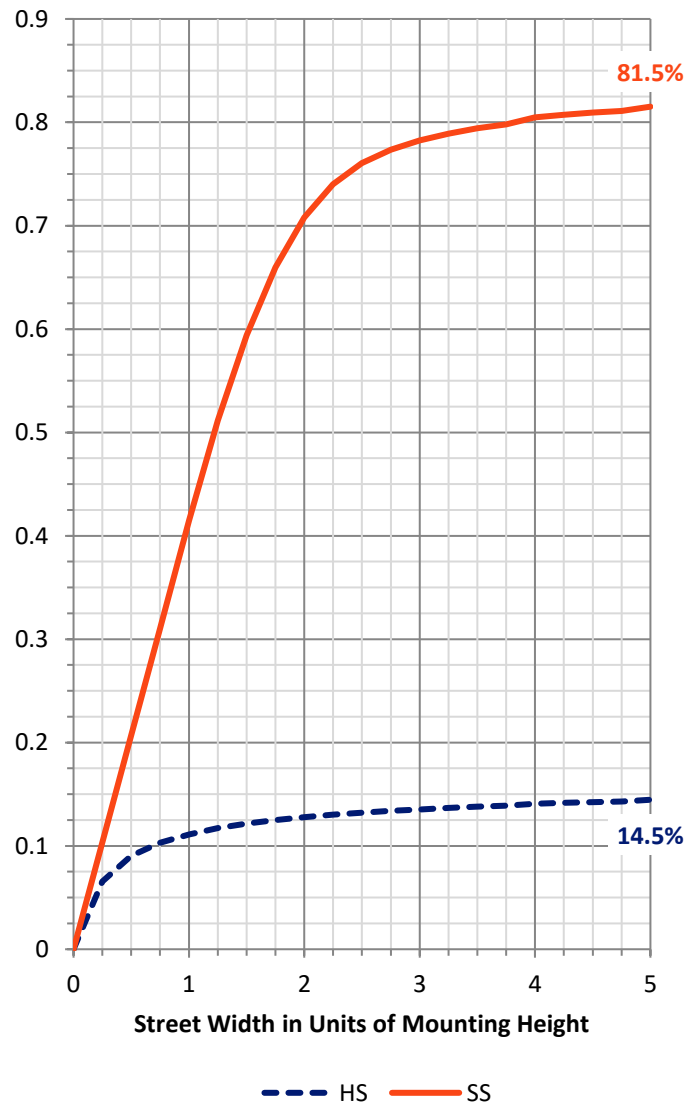
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	584.9	37.0	621.9
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	3149.4	39.7	3189.1
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	3734.3	76.7	3811.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	48.7	1.3
20°-30°	147.4	3.9
30°-40°	295.0	7.7
40°-50°	506.1	13.3
50°-60°	771.4	20.2
60°-70°	950.5	24.9
70°-80°	794.6	20.9
80°-90°	216.4	5.7
90°-100°	55.9	1.5
100°-110°	10.0	0.3
110°-120°	3.7	0.1
120°-130°	2.8	0.1
130°-140°	2.0	0.1
140°-150°	1.6	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3734.3	98.0
0°-180°	3811.0	100.0



REPORT NUMBER: P415288

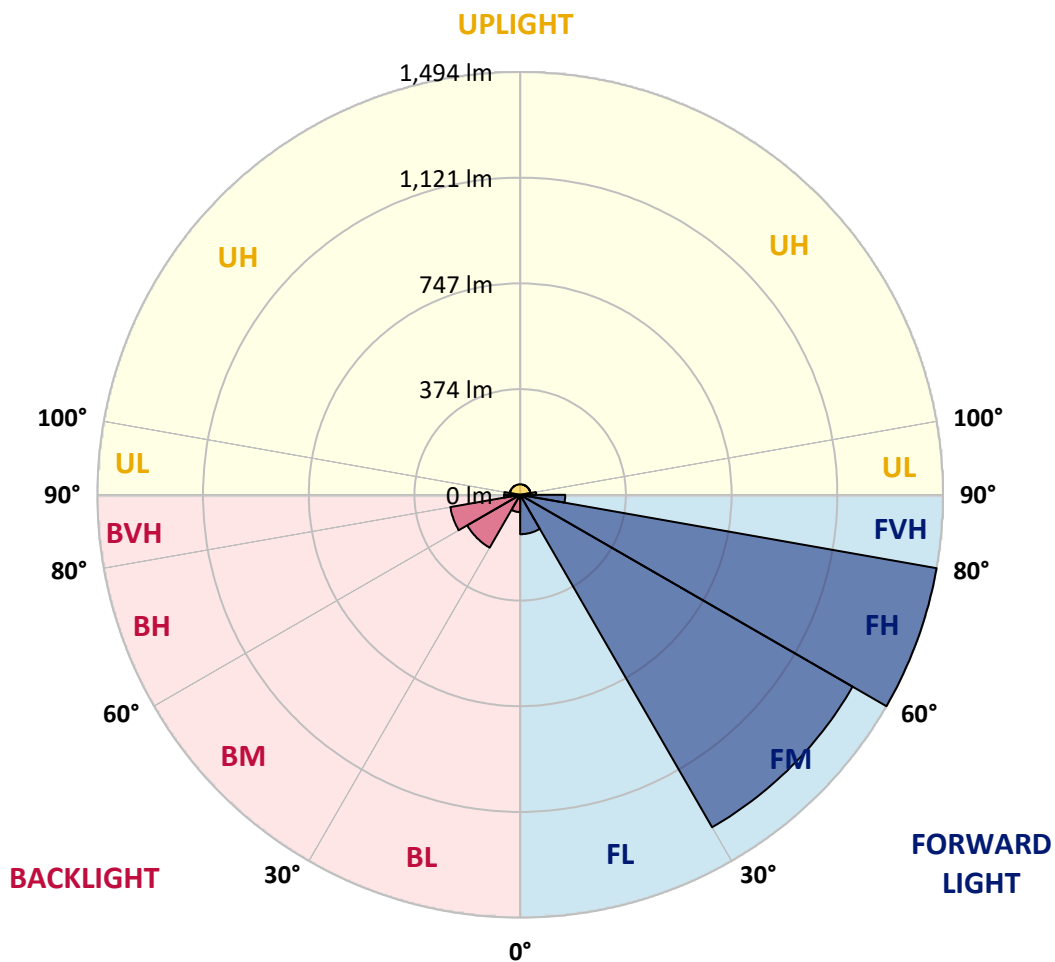
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.2	3.7			
FM (30°-60°)	1356.7	35.6			
FH (60°-80°)	1494.5	39.2			G1/1800
FVH (80°-90°)	159.1	4.2			G2/225
BL (0°-30°)	61.1	1.6	B0/110		
BM (30°-60°)	215.8	5.7	B0/220		
BH (60°-80°)	250.7	6.6	B1/500		G1/500
BVH (80°-90°)	57.3	1.5			G1/100
UL (90°-100°)	55.9	1.5		U3/500	
UH (100°-180°)	37.0	1.0		U2/50	

**BUG Rating: B1-U3-G2**

Type III Medium





REPORT NUMBER: P415288

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	4.8	4.4	3.9	4.4	4.8	4.4	3.5	3.0	2.6	2.6	2.6
5°	127.0	125.3	124.4	97.0	23.1	14.4	5.7	3.9	3.5	2.6	2.6
7.5°	128.8	127.0	127.5	127.0	124.9	124.9	40.5	14.8	8.3	3.0	3.0
10°	135.7	133.1	129.6	129.2	128.3	127.0	124.9	122.2	27.8	4.8	4.4
12.5°	250.6	249.3	247.5	191.0	138.3	128.8	127.5	124.4	95.7	18.3	84.4
15°	248.8	248.4	245.4	246.7	246.2	140.1	158.8	264.9	254.5	184.5	212.7
17.5°	261.0	259.7	250.6	244.9	245.4	279.7	259.7	261.5	262.3	233.2	228.0
20°	354.1	351.9	351.1	341.1	249.3	328.5	335.0	271.5	278.0	362.0	404.6
22.5°	358.5	355.4	351.9	349.3	393.3	327.1	354.1	432.4	412.9	479.0	451.6
25°	484.2	475.9	441.6	357.6	392.8	376.7	458.1	455.9	431.6	499.9	482.9
27.5°	524.2	518.6	493.3	474.2	400.7	451.1	455.5	460.3	542.9	689.5	642.6
30°	702.2	658.2	544.7	532.9	478.1	455.1	520.7	558.2	610.8	692.6	679.5
32.5°	804.0	782.6	727.8	643.9	559.9	497.7	564.7	564.7	613.8	837.0	859.2
35°	968.8	900.1	793.1	736.1	638.6	595.6	582.1	655.6	725.6	879.2	877.9
37.5°	1028.4	1021.9	981.9	807.0	750.9	647.8	678.7	701.3	760.4	940.1	937.5
40°	1061.1	1075.4	1078.5	960.1	834.0	748.3	737.4	750.0	807.0	1025.8	992.8
42.5°	1171.6	1176.8	1192.9	1058.0	958.4	857.9	827.4	822.2	861.8	1125.4	1065.8
45°	1349.9	1352.5	1340.8	1170.7	1059.8	966.7	932.7	912.7	947.5	1224.2	1158.5
47.5°	1554.4	1560.5	1503.9	1298.2	1152.0	1071.5	1053.2	1022.3	1044.5	1313.4	1273.8
50°	1717.1	1715.4	1614.4	1401.3	1245.1	1179.0	1173.3	1144.6	1147.2	1421.7	1398.2
52.5°	1759.3	1756.7	1670.6	1477.4	1329.9	1290.8	1316.4	1272.1	1249.0	1534.0	1527.4
55°	1695.8	1700.6	1660.1	1509.2	1383.9	1389.1	1455.6	1417.4	1386.0	1640.1	1650.5
57.5°	1604.0	1598.3	1604.4	1521.3	1426.1	1485.2	1621.4	1573.5	1543.5	1760.2	1771.9
60°	1433.9	1426.1	1504.8	1508.3	1465.2	1594.0	1797.6	1751.0	1708.8	1886.8	1874.2
62.5°	1175.0	1165.0	1307.3	1428.2	1510.0	1721.5	1971.6	1921.1	1880.2	2021.2	1997.3
65°	782.2	829.6	996.2	1253.3	1493.5	1905.0	2201.7	2126.0	2051.6	2159.1	2154.8
67.5°	453.7	487.7	609.9	891.4	1357.3	2062.1	2566.7	2423.2	2294.8	2315.3	2305.3
70°	281.5	291.9	345.0	514.2	956.7	2010.3	2971.3	2878.7	2606.8	2489.3	2328.8
72.5°	218.4	225.4	255.8	335.9	581.6	1554.8	3163.6	3293.7	2921.7	2535.0	2213.0
74°	178.8	183.2	214.9	300.6	466.8	1185.5	3027.0	3338.9	3018.3	2512.8	2079.9
75°	141.4	145.7	181.4	288.4	443.7	945.8	2824.7	3255.0	3021.4	2478.4	1919.4
77.5°	86.6	89.6	97.9	199.2	403.3	540.3	2084.3	2679.4	2677.7	2058.2	1376.5
80°	68.7	69.6	73.1	104.8	328.5	489.9	1319.9	1849.4	1835.9	1235.5	705.2
82.5°	47.4	50.9	57.9	67.9	174.9	479.8	832.2	1148.9	991.0	470.3	295.0
85°	31.8	34.4	43.9	50.5	93.5	510.7	597.3	646.5	487.7	232.7	194.5
87.5°	13.1	13.5	20.0	24.4	37.8	244.9	402.0	320.2	224.5	147.5	158.4
90°	7.0	7.0	5.2	5.7	13.9	52.6	131.4	127.5	105.7	121.4	148.8
92.5°	7.8	7.8	5.2	5.7	13.5	41.3	142.3	145.3	121.4	129.2	159.2
95°	8.7	8.7	5.2	5.2	13.1	28.3	136.6	153.6	124.9	135.7	160.5
97.5°	9.6	10.0	4.8	4.8	10.4	21.3	85.7	104.8	81.4	70.5	77.0
100°	10.0	10.0	4.4	4.4	7.0	15.2	39.6	50.5	39.2	18.3	12.6
102.5°	10.0	10.4	4.4	3.9	4.8	9.6	12.6	18.3	14.4	10.9	11.7
105°	9.6	10.4	4.4	3.9	3.9	5.2	6.5	7.4	7.8	7.8	12.2
107.5°	7.4	8.3	3.5	3.9	3.5	3.5	2.6	3.0	3.9	7.0	12.2



REPORT NUMBER: P415288

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	5.2	5.2	2.6	3.5	3.0	3.5	2.2	2.6	3.5	5.2	10.0
112.5°	2.6	2.2	1.7	2.6	2.6	3.0	2.2	2.2	3.0	4.4	7.0
115°	1.7	2.2	1.3	1.7	2.2	2.2	1.7	2.2	2.6	4.4	7.4
117.5°	1.7	1.7	1.3	1.7	2.2	1.7	1.7	2.2	2.6	4.4	7.4
120°	2.2	1.7	1.3	1.7	1.7	1.3	1.7	2.2	2.2	4.4	7.4
122.5°	2.2	2.2	1.7	1.7	1.7	1.3	1.7	1.7	2.2	4.4	7.0
125°	2.6	2.2	1.7	1.7	1.7	1.3	1.7	1.7	2.2	3.9	6.5
127.5°	2.6	2.6	1.7	1.7	2.2	1.3	1.7	1.7	2.2	3.5	6.1
130°	2.6	2.6	2.2	1.7	2.2	1.7	1.7	1.7	2.2	3.0	5.2
132.5°	2.6	2.6	2.2	2.2	2.2	1.7	1.7	1.7	1.7	2.6	4.4
135°	3.0	2.6	2.2	2.2	2.6	1.7	1.7	1.7	1.7	2.2	3.0
137.5°	3.0	3.0	2.6	2.6	3.0	2.2	1.7	2.2	2.2	2.2	2.6
140°	3.5	3.5	3.5	3.0	3.0	2.2	2.2	2.2	2.2	2.6	2.6
142.5°	4.4	3.9	3.9	3.5	3.0	2.2	2.2	2.2	2.6	2.6	2.6
145°	4.8	4.8	4.4	3.9	3.0	2.2	2.2	2.6	2.6	3.0	3.0
147.5°	4.8	4.8	4.4	3.5	2.6	1.7	2.2	2.6	2.6	3.0	3.5
150°	4.8	4.4	3.9	3.0	2.2	1.3	1.7	2.2	2.6	3.0	3.5
152.5°	3.5	3.5	3.0	2.2	1.7	0.9	1.3	1.7	2.2	2.6	3.0
155°	2.2	2.2	1.7	1.3	1.3	0.9	1.3	1.7	1.7	2.2	2.6
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.7	1.7
160°	0.4	0.4	0.9	0.4	0.9	0.9	0.9	1.3	1.3	1.3	1.3
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: P415288

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.6	2.6	2.6	2.2	2.2	1.3	1.7	1.7	2.2	2.6	3.0
5°	2.6	3.0	2.6	2.2	2.2	1.7	2.2	2.2	2.2	3.0	3.0
7.5°	3.0	3.0	2.6	2.6	2.2	1.7	3.0	94.0	107.9	111.4	112.2
10°	3.9	3.9	3.5	3.0	2.6	101.4	111.8	111.8	110.9	111.8	111.8
12.5°	86.6	93.1	14.8	7.4	83.5	105.3	102.7	100.9	99.2	97.4	96.6
15°	210.6	204.0	187.1	140.5	129.6	96.6	88.7	123.1	131.4	133.6	133.1
17.5°	222.3	211.9	186.2	195.3	171.4	123.6	111.4	110.5	105.7	105.7	106.1
20°	418.1	394.1	254.1	190.5	148.8	149.7	95.3	84.8	88.7	94.4	97.9
22.5°	429.4	398.1	297.1	248.0	134.0	120.9	93.1	82.2	110.9	122.2	123.1
25°	458.1	408.1	301.0	208.8	151.4	99.2	92.7	85.7	101.8	112.2	111.4
27.5°	620.4	550.3	382.4	192.3	119.6	93.5	87.4	82.2	101.4	118.3	117.9
30°	619.5	542.5	353.3	177.1	98.8	87.0	79.6	89.6	94.4	100.9	101.4
32.5°	804.4	689.5	386.3	147.0	87.4	75.3	78.7	81.8	85.7	102.2	105.7
35°	808.3	674.3	335.4	134.9	80.5	71.8	74.0	80.9	89.2	99.6	100.5
37.5°	824.0	666.5	278.4	111.4	82.7	72.7	77.0	84.8	82.7	97.0	98.8
40°	852.7	668.7	234.1	99.6	81.4	72.7	80.5	81.8	82.2	89.6	90.5
42.5°	897.1	680.4	196.6	94.4	80.0	78.7	77.9	78.3	75.3	90.1	91.8
45°	960.1	704.8	167.9	92.7	80.0	91.8	81.4	78.3	71.8	103.5	110.9
47.5°	1053.2	752.6	151.0	93.1	80.5	87.9	80.5	76.1	74.8	120.9	126.2
50°	1158.5	807.4	139.6	94.8	80.5	86.6	79.2	78.3	83.1	122.7	124.0
52.5°	1271.6	880.5	135.7	96.6	86.6	87.9	90.1	89.6	80.0	98.3	98.3
55°	1386.5	956.2	137.0	98.8	91.4	90.1	96.1	84.8	68.7	73.1	72.2
57.5°	1494.8	1044.5	146.2	97.4	88.3	89.2	97.0	79.6	68.7	73.1	74.8
60°	1612.3	1140.2	171.4	94.0	87.0	86.6	95.7	84.0	68.7	84.0	84.4
62.5°	1755.4	1272.1	226.2	97.4	94.0	89.2	96.1	92.7	78.7	80.5	82.2
65°	1924.6	1408.2	278.4	110.9	99.2	89.6	94.8	97.4	89.2	86.1	85.7
67.5°	2048.6	1441.7	280.6	128.8	106.1	94.4	95.7	106.1	97.4	99.2	98.3
70°	2017.3	1350.4	243.2	136.2	110.5	98.3	98.3	110.1	102.7	117.9	118.3
72.5°	1864.1	1172.4	205.3	126.2	104.8	99.6	109.2	114.0	109.2	141.8	140.1
74°	1688.4	1038.4	188.8	114.9	102.7	99.2	112.2	114.0	112.7	151.4	150.1
75°	1553.5	933.2	179.7	108.3	101.4	97.9	113.1	114.4	114.0	152.7	152.3
77.5°	1073.7	630.4	157.0	96.6	99.2	97.9	112.7	117.0	120.1	151.8	150.5
80°	550.8	345.0	130.9	91.4	98.3	100.5	111.4	113.1	117.9	143.6	142.3
82.5°	276.3	198.8	96.1	84.0	99.6	109.2	111.8	109.6	110.9	132.3	130.1
85°	177.9	137.5	64.0	70.5	101.4	118.3	111.4	102.2	104.0	115.3	114.4
87.5°	143.1	101.8	39.2	54.8	107.9	108.3	101.8	90.5	88.3	90.5	89.2
90°	132.3	94.4	33.1	51.8	104.4	90.5	83.1	74.0	66.1	66.6	64.0
92.5°	142.3	98.8	35.2	51.3	83.1	63.5	60.9	56.1	46.5	41.3	38.7
95°	140.1	94.8	35.7	43.5	60.9	36.1	43.1	39.6	28.7	21.8	20.4
97.5°	67.4	47.9	31.8	33.9	35.7	27.4	36.5	33.5	20.9	13.5	12.6
100°	12.6	17.8	28.3	32.2	28.3	21.3	28.7	25.7	11.3	7.0	6.5
102.5°	12.2	10.0	21.3	29.1	17.8	12.2	15.7	14.4	7.4	5.2	5.2
105°	12.6	10.0	10.0	20.0	10.9	5.7	4.8	7.0	5.2	5.2	5.7
107.5°	13.1	10.0	6.1	6.5	5.2	4.4	3.5	3.5	3.9	5.7	6.1



REPORT NUMBER: P415288

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.4	8.7	5.7	5.2	4.8	4.4	3.5	3.0	3.9	6.1	6.5
112.5°	7.4	7.0	5.2	4.4	3.9	3.9	3.0	2.6	3.9	6.5	7.0
115°	7.4	7.0	4.4	3.9	3.0	3.5	3.0	2.6	3.9	7.4	7.8
117.5°	7.8	6.5	4.4	3.5	2.6	2.6	2.6	2.6	4.4	7.4	7.8
120°	7.8	6.5	4.4	3.0	2.6	2.2	2.6	2.6	4.4	7.4	8.3
122.5°	7.4	6.5	3.9	3.0	2.6	2.2	2.2	2.2	3.9	7.4	7.8
125°	7.0	6.1	3.9	3.0	2.6	1.7	2.2	2.2	3.9	7.0	7.8
127.5°	6.5	5.7	3.9	3.0	2.2	1.7	2.2	2.2	3.9	6.5	7.4
130°	5.7	5.2	3.5	2.6	2.2	1.7	2.2	2.2	3.9	6.1	7.0
132.5°	4.8	4.4	3.0	2.6	2.2	1.7	2.2	1.7	3.0	5.7	6.1
135°	3.5	3.5	3.0	2.2	2.2	1.3	1.7	1.7	2.6	4.4	4.8
137.5°	3.0	3.0	2.6	2.2	2.2	1.3	1.7	1.3	2.2	3.5	3.9
140°	3.0	3.0	2.6	2.2	1.7	1.3	1.3	1.3	1.7	3.0	3.0
142.5°	3.0	3.0	2.6	2.2	1.7	1.3	1.3	1.3	1.7	2.6	3.0
145°	3.0	3.0	3.0	2.6	1.7	1.3	1.3	1.3	1.7	2.6	2.6
147.5°	3.5	3.5	3.0	2.2	1.7	0.9	0.9	1.3	1.7	2.6	2.6
150°	3.5	3.5	3.0	2.2	1.7	0.9	0.4	0.9	1.3	2.2	2.6
152.5°	3.0	3.0	2.6	2.2	1.3	0.9	0.4	0.9	1.3	2.2	2.2
155°	2.6	2.6	2.2	1.7	1.3	0.4	0.0	0.4	0.9	1.7	1.7
157.5°	1.7	2.2	1.7	1.3	0.9	0.4	0.0	0.4	0.4	1.3	1.3
160°	1.7	1.7	1.7	1.3	0.9	0.4	0.0	0.0	0.4	0.9	0.9
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)