

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: P415293

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3700 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

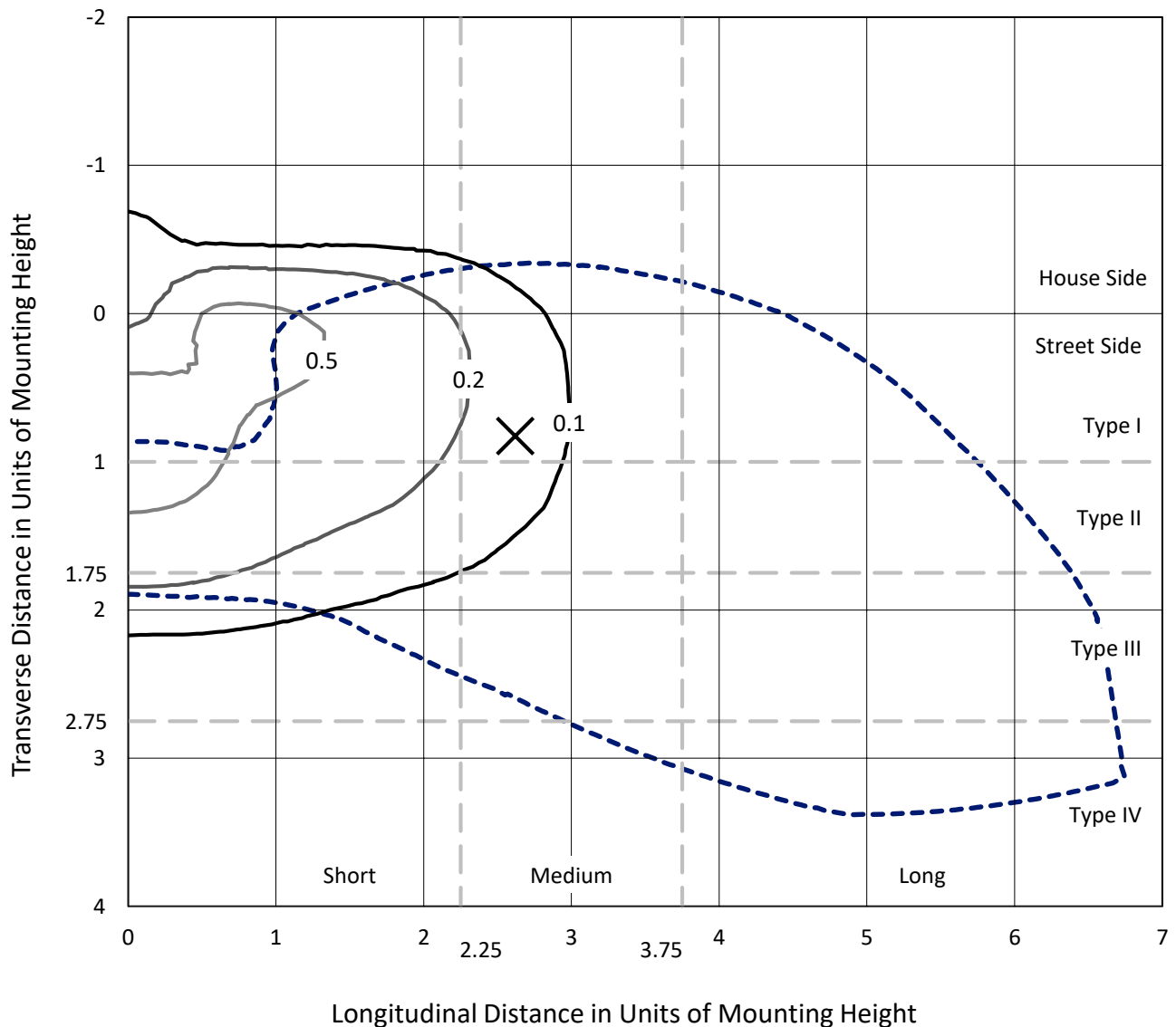
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415293  
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-TL

### Iso-Footcandle Lines of Horizontal Illumination

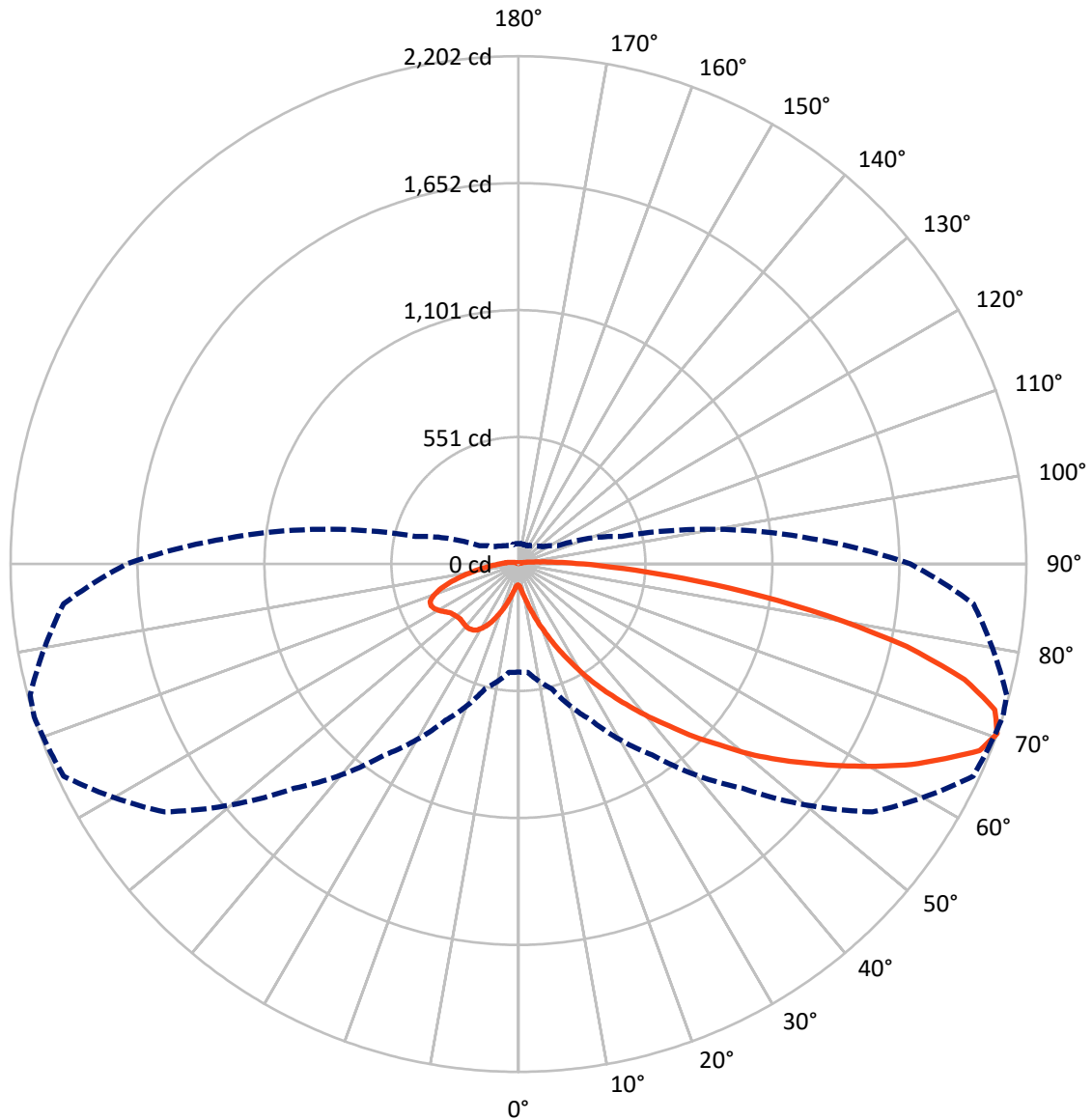
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P415293  
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P415293

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

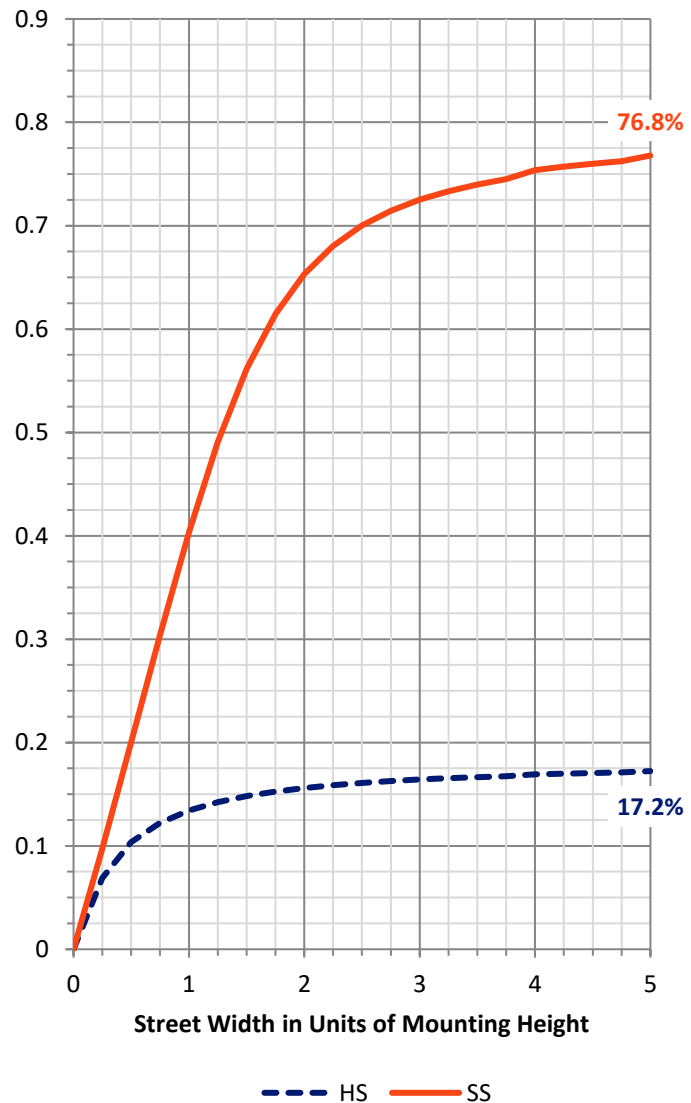
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	665.1	60.3	725.5
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	2904.8	69.7	2974.5
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	3570.0	130.0	3700.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.4	0.3
10°-20°	50.1	1.4
20°-30°	139.8	3.8
30°-40°	289.8	7.8
40°-50°	500.5	13.5
50°-60°	739.2	20.0
60°-70°	872.5	23.6
70°-80°	692.4	18.7
80°-90°	275.3	7.4
90°-100°	72.8	2.0
100°-110°	28.1	0.8
110°-120°	13.7	0.4
120°-130°	7.7	0.2
130°-140°	4.6	0.1
140°-150°	2.2	0.1
150°-160°	0.7	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	3570.0	96.5
0°-180°	3700.0	100.0



REPORT NUMBER: P415293

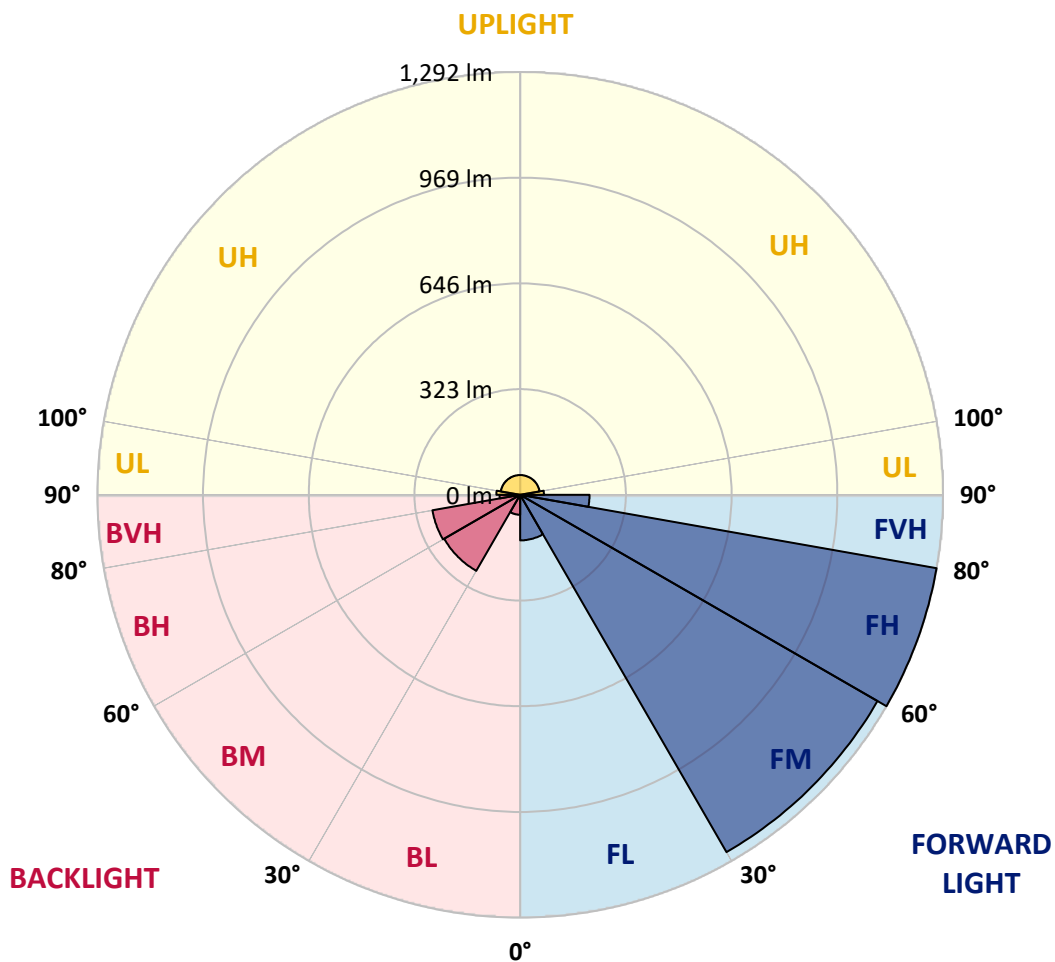
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.3	3.8			
FM	(30°-60°)	1261.1	34.1			
FH	(60°-80°)	1292.5	34.9			G1/1800
FVH	(80°-90°)	212.0	5.7			G2/225
BL	(0°-30°)	61.0	1.6	B0/110		
BM	(30°-60°)	268.4	7.3	B1/1000		
BH	(60°-80°)	272.4	7.4	B1/500		G1/500
BVH	(80°-90°)	63.3	1.7			G1/100
UL	(90°-100°)	72.8	2.0		U3/500	
UH	(100°-180°)	60.3	1.6		U3/500	

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

Type IV Medium





REPORT NUMBER: P415293

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	104.0	104.4	104.0	104.0	103.1	102.7	100.1	98.3	97.0	96.1	94.8
5°	120.5	121.4	120.9	120.9	118.8	117.5	114.4	110.9	108.3	107.9	104.0
7.5°	142.7	142.3	140.5	140.1	139.2	137.0	132.7	127.5	124.9	124.0	118.3
10°	170.1	167.9	168.8	165.8	164.0	160.5	156.6	152.7	147.5	147.5	139.7
12.5°	197.5	202.3	201.0	196.6	193.2	187.5	182.7	181.4	175.3	176.2	168.8
15°	242.3	241.9	238.0	234.9	228.0	221.0	216.7	213.6	211.9	210.6	202.3
17.5°	289.7	287.1	284.1	275.0	264.9	258.9	254.9	251.9	254.1	253.6	243.6
20°	344.6	341.5	337.2	320.6	307.6	298.0	295.8	299.3	300.6	304.1	294.1
22.5°	405.5	404.2	393.7	375.0	352.8	340.2	338.0	346.3	356.3	358.0	351.1
25°	478.6	476.8	462.5	435.5	406.3	387.2	387.2	400.2	416.8	420.7	417.2
27.5°	556.9	552.5	533.8	500.7	460.7	435.9	432.9	456.4	479.4	490.7	486.4
30°	646.9	646.0	615.2	574.7	526.8	487.3	485.9	520.3	552.9	558.2	559.0
32.5°	739.6	747.0	711.3	650.8	593.0	546.4	544.2	583.0	628.2	637.3	637.3
35°	846.6	847.0	803.1	743.1	663.9	610.8	604.7	650.8	701.3	713.9	720.9
37.5°	954.5	951.9	912.3	829.6	740.9	676.9	671.3	725.7	783.1	803.5	802.2
40°	1060.6	1068.0	1018.0	926.7	819.6	754.8	740.9	804.8	871.0	894.0	884.9
42.5°	1175.1	1173.3	1128.5	1026.7	907.5	830.1	821.8	887.9	961.5	987.6	979.3
45°	1275.1	1274.3	1225.5	1123.7	991.5	917.1	905.8	975.8	1068.0	1092.4	1075.4
47.5°	1367.4	1365.2	1314.7	1211.2	1065.0	1000.2	1001.0	1072.8	1170.7	1210.7	1184.6
50°	1438.7	1431.3	1399.6	1287.7	1144.6	1087.6	1104.2	1188.6	1293.0	1329.1	1300.8
52.5°	1477.0	1465.7	1440.9	1341.3	1219.9	1174.2	1206.0	1306.0	1409.1	1443.5	1412.6
55°	1458.7	1458.7	1444.8	1373.9	1273.4	1253.4	1317.3	1418.3	1525.7	1563.6	1536.2
57.5°	1385.2	1396.5	1403.0	1365.2	1310.4	1331.7	1433.0	1546.2	1649.3	1691.0	1654.9
60°	1256.4	1259.5	1307.3	1318.2	1325.2	1398.2	1553.1	1688.0	1780.7	1813.7	1772.8
62.5°	1074.1	1088.5	1146.8	1227.3	1303.4	1453.5	1679.3	1830.7	1914.2	1936.4	1876.8
65°	871.4	867.9	975.8	1096.3	1243.4	1469.6	1781.1	1969.0	2033.9	2063.4	1959.9
67.5°	660.8	658.7	758.3	934.9	1141.6	1452.6	1863.7	2086.5	2157.8	2158.7	2012.1
70°	468.5	472.0	560.3	747.8	1010.2	1375.2	1873.8	2176.1	2202.2	2191.8	1980.3
72.5°	318.0	320.6	404.6	573.0	836.2	1249.9	1790.2	2166.5	2160.4	2131.3	1849.8
75°	204.9	222.3	284.5	435.5	676.9	1069.3	1628.0	2029.5	1997.7	1949.5	1623.2
77.5°	141.4	150.1	197.9	317.2	529.0	883.1	1397.8	1754.1	1721.1	1661.9	1308.6
80°	95.7	99.6	136.2	237.1	416.3	694.3	1139.0	1412.2	1355.2	1294.3	981.5
82.5°	64.0	71.3	97.9	170.1	315.0	536.0	866.2	1078.5	988.0	935.4	689.6
85°	42.6	46.6	69.6	123.6	228.0	390.2	623.4	732.6	653.0	606.5	440.7
87.5°	28.7	32.2	49.6	88.3	168.8	283.7	417.6	473.3	409.4	380.2	266.7
90°	19.1	21.3	36.5	63.5	119.2	197.9	281.9	292.4	251.0	233.2	163.1
92.5°	13.5	15.7	27.4	47.0	83.5	137.5	181.0	177.1	147.9	139.2	105.3
95°	10.4	12.2	21.3	36.1	60.9	94.4	117.9	107.9	93.5	90.5	72.7
97.5°	9.1	10.0	17.8	29.1	46.1	67.0	76.6	73.1	63.1	61.3	53.1
100°	8.3	9.1	15.7	25.2	37.0	49.2	54.8	50.9	45.7	44.4	39.2
102.5°	7.8	8.3	13.9	21.8	30.5	38.7	42.2	37.8	33.9	33.5	30.0
105°	7.4	7.8	12.2	18.7	25.7	31.8	33.1	29.6	26.5	25.2	22.6
107.5°	7.0	7.0	10.9	16.5	22.2	26.5	27.4	23.9	20.4	19.6	17.8
110°	6.5	7.0	10.0	14.8	19.6	23.1	23.1	19.6	16.1	15.2	14.4



REPORT NUMBER: P415293

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.5	6.5	9.1	13.1	17.4	20.0	19.6	16.1	13.1	11.7	11.7
115°	6.1	6.5	8.7	12.2	15.7	17.4	16.5	13.5	10.4	9.6	10.0
117.5°	6.1	6.5	7.8	10.9	13.9	15.2	14.4	11.3	8.7	8.3	9.1
120°	6.1	6.5	7.8	10.0	12.2	13.5	12.6	9.6	7.8	7.4	8.3
122.5°	6.5	6.5	7.4	9.1	11.3	12.2	10.9	8.3	7.0	6.5	7.4
125°	6.5	6.5	7.4	8.7	10.4	10.9	9.6	7.4	6.1	6.1	7.0
127.5°	6.5	6.5	7.4	8.3	9.6	9.6	8.7	6.5	5.7	5.7	6.5
130°	6.5	6.5	7.0	7.8	8.7	8.7	7.4	5.7	5.2	5.2	6.1
132.5°	7.0	7.0	7.0	7.4	7.8	7.8	6.5	5.2	4.8	4.8	6.1
135°	6.5	6.5	6.5	7.0	7.0	7.0	5.7	4.8	4.4	4.8	5.7
137.5°	6.1	6.1	6.5	6.5	6.5	6.1	4.8	3.9	3.9	4.4	5.2
140°	6.1	5.7	6.1	6.1	5.7	5.2	4.4	3.5	3.5	3.9	4.4
142.5°	5.2	5.2	5.2	5.2	4.8	4.4	3.5	3.0	3.5	3.5	3.9
145°	4.8	4.8	4.8	4.4	4.4	3.5	2.6	2.6	2.6	3.0	3.5
147.5°	3.9	3.9	3.9	3.9	3.5	3.0	1.7	2.2	2.2	2.2	2.6
150°	3.0	3.0	3.5	3.0	2.6	2.2	1.3	1.7	2.2	2.2	2.2
152.5°	2.6	2.6	2.6	2.6	2.2	1.3	1.3	1.7	1.7	1.7	2.2
155°	1.7	1.7	1.7	1.7	1.3	0.9	1.3	1.3	1.7	1.7	1.7
157.5°	0.9	0.9	1.3	1.3	0.9	0.9	0.9	1.3	1.3	1.3	1.3
160°	0.0	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
162.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
165°	0.0	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
167.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
170°	0.0	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
172.5°	0.0	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
175°	0.0	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
177.5°	0.0	0.4	0.9	0.9	1.3	0.9	0.9	0.9	0.9	0.9	1.3
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





REPORT NUMBER: P415293

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	94.0	93.1	91.4	89.6	88.3	87.0	86.1	84.8	84.0	84.0	84.0
5°	101.4	100.5	96.1	91.8	87.9	84.4	81.8	78.7	77.4	76.1	76.6
7.5°	116.2	113.1	106.2	98.8	92.2	85.3	80.0	75.7	73.1	71.3	71.3
10°	136.2	131.4	120.9	109.6	98.8	88.7	80.9	74.8	70.5	68.7	68.7
12.5°	161.8	157.1	141.0	124.0	107.5	93.1	83.1	75.3	70.5	68.3	68.3
15°	196.2	187.9	166.2	141.8	117.9	98.3	85.3	78.7	75.7	74.4	74.4
17.5°	237.1	224.9	196.6	160.1	128.3	103.5	90.9	84.8	82.2	81.8	81.8
20°	285.0	269.7	227.1	178.4	136.6	110.1	95.7	90.5	89.6	90.1	90.1
22.5°	339.3	317.2	258.4	194.9	144.4	114.0	99.2	94.8	95.7	97.9	97.5
25°	396.8	373.3	292.8	209.7	149.7	115.7	101.4	98.8	102.2	104.8	104.8
27.5°	463.8	427.2	324.1	220.1	151.0	114.4	101.8	100.5	105.3	109.2	110.1
30°	532.1	485.1	351.1	226.7	148.4	111.4	100.1	100.9	106.6	111.8	112.2
32.5°	601.2	539.9	373.3	228.0	144.0	107.5	98.3	100.1	106.2	111.8	112.7
35°	670.0	591.2	388.1	223.2	137.0	103.5	95.3	98.3	104.4	110.9	111.8
37.5°	737.4	640.0	397.2	215.3	130.1	100.1	93.1	96.1	102.2	109.6	110.5
40°	810.9	692.2	402.4	206.2	123.1	97.0	91.8	94.8	100.9	107.9	109.2
42.5°	878.4	740.0	402.9	194.9	117.9	95.7	90.9	93.5	99.2	106.6	107.9
45°	966.2	789.2	402.9	185.3	114.4	95.3	90.9	93.1	98.3	106.2	107.9
47.5°	1049.3	845.7	403.7	177.1	112.7	96.1	91.8	92.7	97.0	106.2	107.9
50°	1145.9	900.1	410.7	171.0	112.2	97.9	93.1	92.2	95.7	105.3	107.5
52.5°	1242.1	971.9	419.4	166.6	113.1	99.6	94.0	92.2	94.4	103.1	105.7
55°	1347.3	1040.2	429.0	167.1	114.9	101.4	95.3	91.8	92.7	99.6	102.2
57.5°	1452.6	1120.2	449.8	169.7	117.0	103.5	96.6	91.8	90.5	95.7	97.9
60°	1544.9	1190.7	471.6	175.3	120.1	105.7	97.5	91.4	88.7	91.8	93.5
62.5°	1642.3	1267.7	489.0	180.1	123.6	107.5	97.5	90.9	87.4	89.6	90.5
65°	1705.8	1313.4	498.1	186.2	127.0	108.8	97.9	90.1	87.0	88.3	89.2
67.5°	1738.5	1320.8	492.0	188.4	130.1	109.6	97.5	89.2	87.4	88.3	89.2
70°	1699.7	1271.6	462.9	187.1	130.9	109.6	96.6	88.3	87.4	88.7	89.2
72.5°	1559.6	1153.3	419.8	180.5	129.6	107.9	95.3	87.0	87.0	89.2	89.2
75°	1343.0	983.2	363.3	170.5	126.2	105.3	92.7	84.8	85.7	88.7	88.7
77.5°	1075.4	777.9	299.3	156.2	119.6	100.9	89.2	81.8	84.0	87.4	87.0
80°	800.5	579.5	241.0	140.1	110.9	94.8	84.4	78.3	81.4	84.4	83.5
82.5°	533.4	406.8	190.6	123.1	101.8	88.7	79.2	73.5	77.4	80.5	79.2
85°	346.3	271.0	147.5	106.2	92.2	81.8	72.7	68.3	72.2	74.8	73.5
87.5°	215.8	181.9	112.2	90.5	82.2	74.0	67.0	62.2	66.1	68.7	67.0
90°	142.7	121.8	88.3	78.3	73.1	66.6	60.0	56.6	60.5	61.3	60.0
92.5°	94.0	86.1	71.8	67.0	64.4	59.2	54.4	51.3	54.4	54.8	53.9
95°	67.4	65.3	59.2	58.3	57.0	52.6	48.7	46.1	47.9	48.3	46.6
97.5°	51.3	50.9	50.5	50.5	49.6	46.6	43.1	40.9	41.8	41.3	40.0
100°	40.0	40.9	42.2	43.1	42.6	40.5	37.8	36.1	36.5	34.8	33.5
102.5°	31.3	33.1	35.2	36.5	36.5	34.8	33.5	31.8	30.5	28.3	27.8
105°	24.8	26.1	29.1	31.3	31.3	30.5	29.1	27.0	25.7	23.1	23.1
107.5°	19.6	21.3	24.8	26.5	27.0	26.1	25.2	23.5	21.3	18.7	18.7
110°	15.7	17.0	20.9	22.6	23.1	22.6	21.8	19.6	17.4	15.7	15.7



REPORT NUMBER: P415293

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	14.4	17.4	19.1	20.0	19.6	18.7	16.5	14.4	13.1	13.1
115°	11.3	12.6	14.8	16.5	17.0	17.0	15.7	14.4	11.7	11.3	11.3
117.5°	10.0	10.9	13.1	14.4	15.2	14.8	13.5	12.2	10.4	10.0	10.0
120°	9.1	10.0	11.7	13.1	13.1	12.6	11.7	10.4	9.1	8.7	9.1
122.5°	8.3	9.1	10.4	11.3	11.3	11.3	10.4	9.1	7.8	7.8	8.3
125°	7.8	8.3	9.6	10.0	10.4	10.0	9.1	7.8	7.0	7.4	7.4
127.5°	7.4	7.8	8.7	9.1	9.1	8.7	7.8	7.0	6.1	6.5	7.0
130°	7.0	7.4	7.8	8.3	8.3	7.8	7.0	6.1	5.7	6.1	6.1
132.5°	6.1	6.5	7.0	7.4	7.0	7.0	6.1	5.2	5.2	5.7	5.7
135°	5.7	6.1	6.1	6.5	6.1	6.1	5.2	4.8	4.8	5.2	5.2
137.5°	5.2	5.7	5.7	5.7	5.2	5.2	4.8	4.4	4.4	4.4	4.8
140°	4.8	4.8	4.8	4.8	4.4	4.4	3.9	3.5	3.9	3.9	3.9
142.5°	4.4	4.4	4.4	3.9	3.9	3.5	3.0	3.0	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.0	3.0	2.6	2.6	2.6	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	2.6	2.2	2.2	2.2	2.2	2.6	2.6	2.6
150°	2.6	2.6	2.6	2.2	1.7	1.7	1.3	1.7	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	2.2	1.7	0.9	1.3	1.7	1.7	1.7	1.7
155°	1.7	1.7	2.2	1.7	1.3	0.4	0.9	1.3	1.3	1.3	1.3
157.5°	1.7	1.7	1.7	1.3	0.9	0.4	0.9	0.9	1.3	0.9	1.3
160°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.9	0.9
162.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.4	0.4	0.4
165°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
170°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
175°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)