

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: P415241

Luminaire Tested: **LXF.LXT-PA1-40-827-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415241  
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-PA1-40-827-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 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: 3423 lumens  
Efficiency: N/A  
Efficacy: 85.6 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

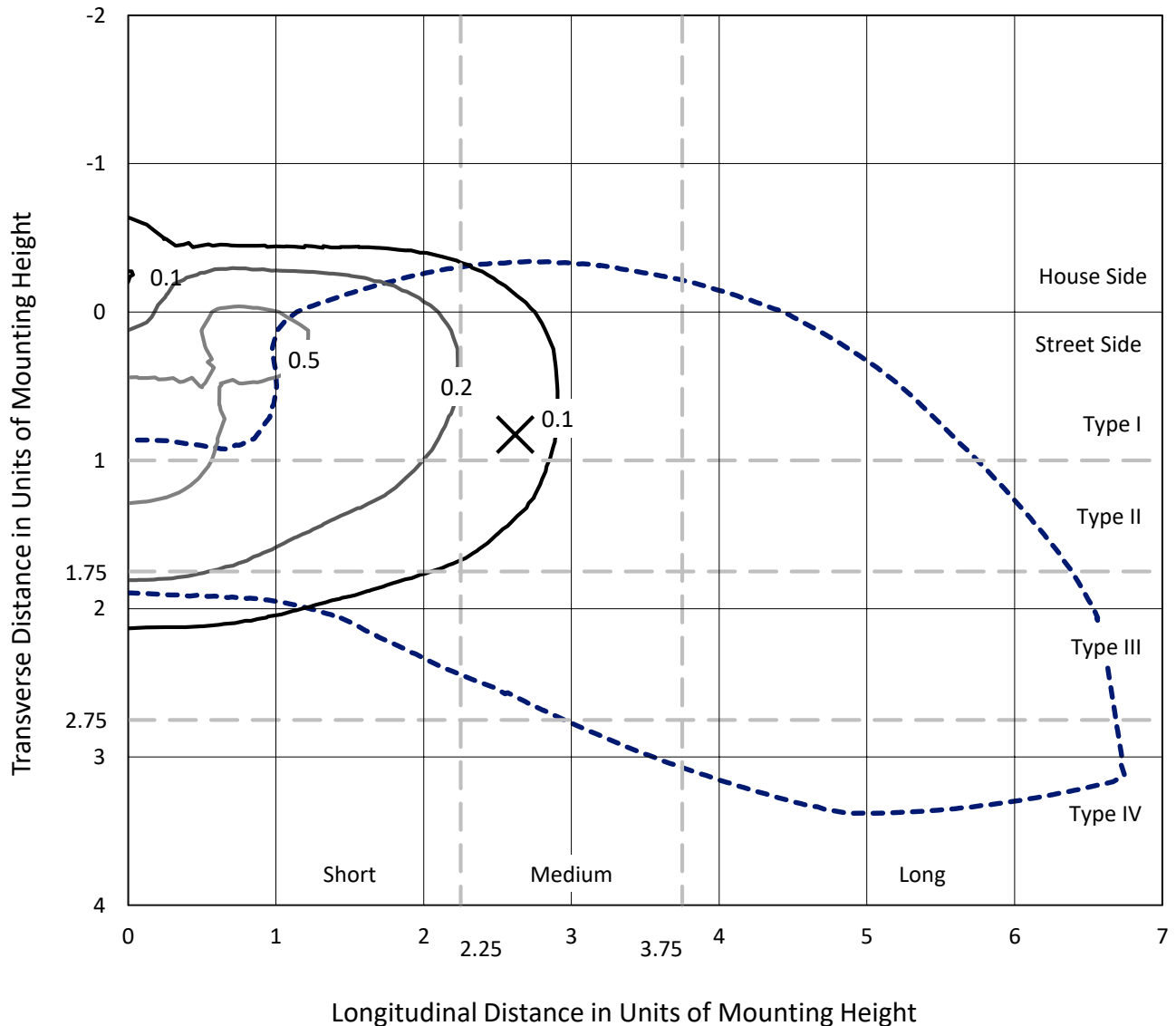
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415241  
 CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

### Iso-Footcandle Lines of Horizontal Illumination

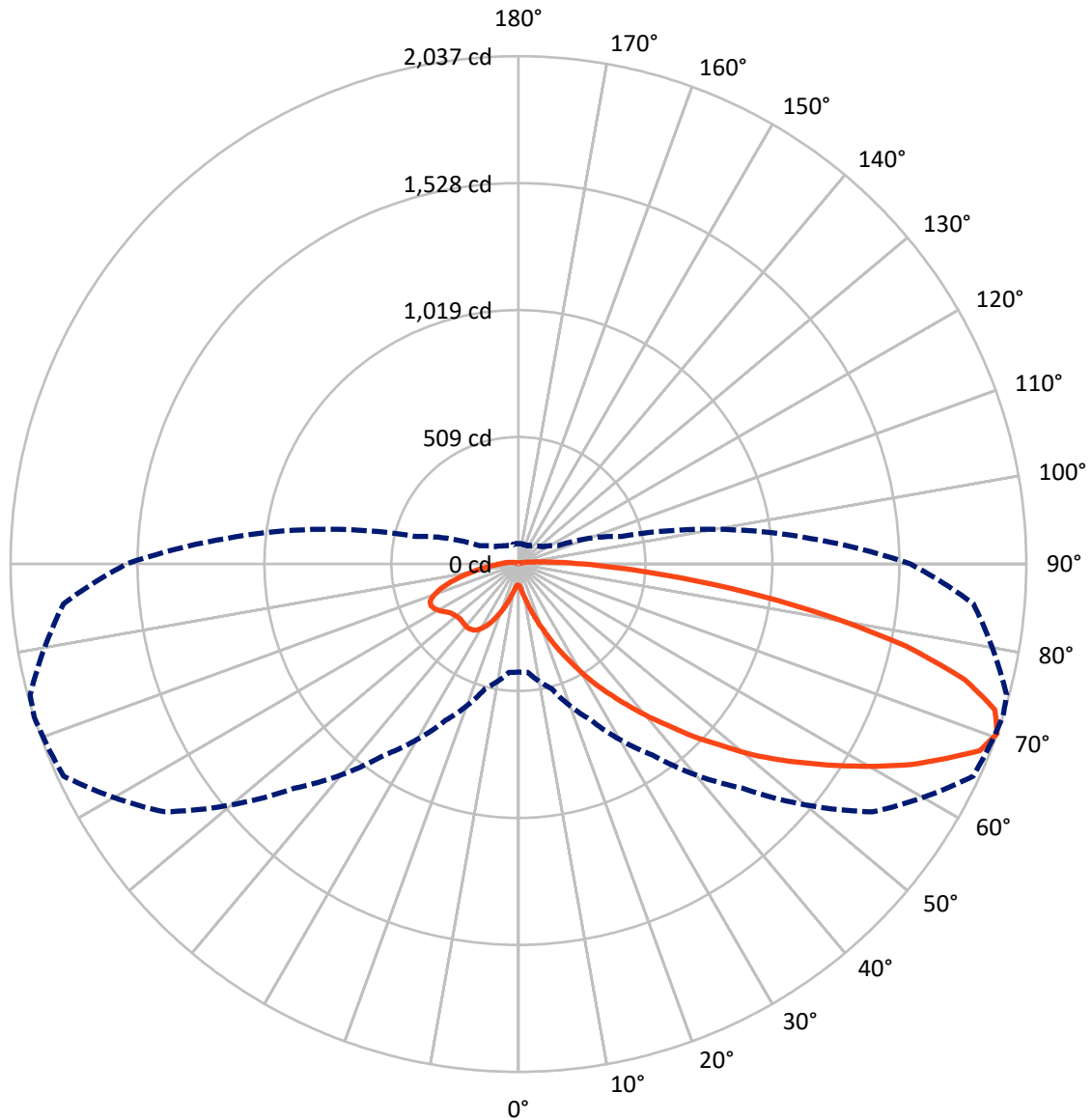
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415241  
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P415241

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	615.3	55.8	671.1
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	2687.4	64.4	2751.8
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	3302.7	120.2	3423.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.6	0.3
10°-20°	46.3	1.4
20°-30°	129.3	3.8
30°-40°	268.1	7.8
40°-50°	463.1	13.5
50°-60°	683.9	20.0
60°-70°	807.2	23.6
70°-80°	640.6	18.7
80°-90°	254.7	7.4
90°-100°	67.3	2.0
100°-110°	26.0	0.8
110°-120°	12.7	0.4
120°-130°	7.2	0.2
130°-140°	4.2	0.1
140°-150°	2.0	0.1
150°-160°	0.7	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	3302.7	96.5
0°-180°	3423.0	100.0



REPORT NUMBER: P415241

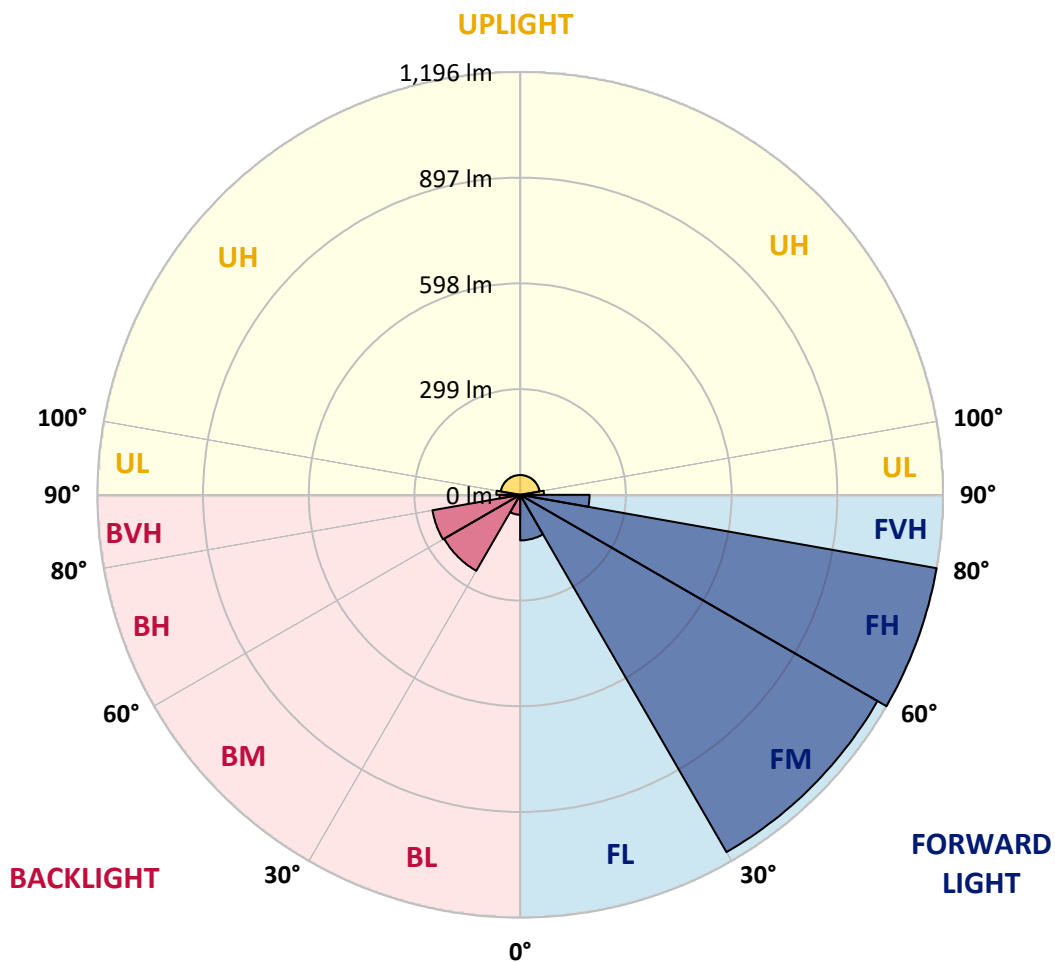
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.8	3.8			
FM	(30°-60°)	1166.7	34.1			
FH	(60°-80°)	1195.7	34.9			G1/1800
FVH	(80°-90°)	196.1	5.7			G2/225
BL	(0°-30°)	56.5	1.6	B0/110		
BM	(30°-60°)	248.3	7.3	B1/1000		
BH	(60°-80°)	252.0	7.4	B1/500		G1/500
BVH	(80°-90°)	58.6	1.7			G1/100
UL	(90°-100°)	67.3	2.0		U3/500	
UH	(100°-180°)	55.8	1.6		U3/500	

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

Type IV Medium





REPORT NUMBER: P415241

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2.5°	96.2	96.6	96.2	96.2	95.4	95.0	92.6	91.0	89.8	88.9	87.7
5°	111.5	112.3	111.9	111.9	109.9	108.7	105.9	102.6	100.2	99.8	96.2
7.5°	132.0	131.6	130.0	129.6	128.8	126.8	122.8	117.9	115.5	114.7	109.5
10°	157.4	155.4	156.2	153.3	151.7	148.5	144.9	141.3	136.4	136.4	129.2
12.5°	182.7	187.2	185.9	181.9	178.7	173.5	169.0	167.8	162.2	163.0	156.2
15°	224.2	223.8	220.2	217.3	210.9	204.5	200.4	197.6	196.0	194.8	187.2
17.5°	268.1	265.6	262.8	254.4	245.1	239.5	235.9	233.0	235.0	234.6	225.4
20°	318.8	315.9	311.9	296.6	284.6	275.7	273.7	276.9	278.1	281.3	272.1
22.5°	375.1	373.9	364.2	346.9	326.4	314.7	312.7	320.4	329.6	331.2	324.8
25°	442.7	441.1	427.8	402.9	375.9	358.2	358.2	370.3	385.6	389.2	386.0
27.5°	515.2	511.1	493.8	463.3	426.2	403.3	400.5	422.2	443.5	454.0	450.0
30°	598.5	597.7	569.1	531.7	487.4	450.8	449.6	481.4	511.6	516.4	517.2
32.5°	684.2	691.1	658.1	602.1	548.6	505.5	503.5	539.3	581.2	589.6	589.6
35°	783.2	783.6	743.0	687.4	614.2	565.1	559.4	602.1	648.8	660.5	666.9
37.5°	883.0	880.6	844.0	767.5	685.4	626.3	621.0	671.3	724.5	743.4	742.2
40°	981.2	988.1	941.8	857.3	758.3	698.3	685.4	744.6	805.8	827.1	818.6
42.5°	1087.1	1085.5	1044.0	949.8	839.6	767.9	760.3	821.5	889.5	913.6	906.0
45°	1179.7	1178.9	1133.8	1039.6	917.2	848.4	838.0	902.8	988.1	1010.6	994.9
47.5°	1265.0	1263.0	1216.3	1120.5	985.3	925.3	926.1	992.5	1083.1	1120.1	1095.9
50°	1331.0	1324.2	1294.8	1191.3	1058.9	1006.2	1021.5	1099.6	1196.2	1229.6	1203.4
52.5°	1366.4	1355.9	1333.0	1240.8	1128.5	1086.3	1115.7	1208.2	1303.6	1335.4	1306.8
55°	1349.5	1349.5	1336.6	1271.0	1178.1	1159.5	1218.7	1312.1	1411.5	1446.5	1421.2
57.5°	1281.5	1292.0	1298.0	1263.0	1212.3	1232.0	1325.8	1430.4	1525.8	1564.4	1531.0
60°	1162.4	1165.2	1209.4	1219.5	1225.9	1293.6	1436.8	1561.6	1647.3	1677.9	1640.1
62.5°	993.7	1007.0	1060.9	1135.4	1205.8	1344.7	1553.6	1693.6	1770.9	1791.4	1736.3
65°	806.2	802.9	902.8	1014.2	1150.3	1359.6	1647.7	1821.6	1881.6	1909.0	1813.2
67.5°	611.4	609.4	701.5	864.9	1056.1	1343.9	1724.2	1930.3	1996.3	1997.1	1861.5
70°	433.5	436.7	518.4	691.9	934.6	1272.2	1733.5	2013.2	2037.3	2027.7	1832.1
72.5°	294.2	296.6	374.3	530.1	773.6	1156.3	1656.2	2004.3	1998.7	1971.7	1711.3
75°	189.6	205.7	263.2	402.9	626.3	989.3	1506.1	1877.6	1848.2	1803.5	1501.6
77.5°	130.8	138.9	183.1	293.4	489.4	817.0	1293.2	1622.8	1592.2	1537.5	1210.7
80°	88.5	92.2	126.0	219.4	385.2	642.4	1053.7	1306.4	1253.7	1197.4	908.0
82.5°	59.2	66.0	90.6	157.4	291.4	495.9	801.3	997.7	914.0	865.3	637.9
85°	39.4	43.1	64.4	114.3	210.9	361.0	576.8	677.8	604.1	561.1	407.7
87.5°	26.6	29.8	45.9	81.7	156.2	262.4	386.4	437.9	378.7	351.8	246.7
90°	17.7	19.7	33.8	58.8	110.3	183.1	260.8	270.5	232.2	215.7	150.9
92.5°	12.5	14.5	25.4	43.5	77.3	127.2	167.4	163.8	136.8	128.8	97.4
95°	9.7	11.3	19.7	33.4	56.3	87.3	109.1	99.8	86.5	83.7	67.2
97.5°	8.5	9.3	16.5	27.0	42.7	62.0	70.8	67.6	58.4	56.7	49.1
100°	7.6	8.5	14.5	23.3	34.2	45.5	50.7	47.1	42.3	41.1	36.2
102.5°	7.2	7.6	12.9	20.1	28.2	35.8	39.0	35.0	31.4	31.0	27.8
105°	6.8	7.2	11.3	17.3	23.7	29.4	30.6	27.4	24.6	23.3	20.9
107.5°	6.4	6.4	10.1	15.3	20.5	24.6	25.4	22.1	18.9	18.1	16.5
110°	6.0	6.4	9.3	13.7	18.1	21.3	21.3	18.1	14.9	14.1	13.3



REPORT NUMBER: P415241

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.0	6.0	8.5	12.1	16.1	18.5	18.1	14.9	12.1	10.9	10.9
115°	5.6	6.0	8.0	11.3	14.5	16.1	15.3	12.5	9.7	8.9	9.3
117.5°	5.6	6.0	7.2	10.1	12.9	14.1	13.3	10.5	8.0	7.6	8.5
120°	5.6	6.0	7.2	9.3	11.3	12.5	11.7	8.9	7.2	6.8	7.6
122.5°	6.0	6.0	6.8	8.5	10.5	11.3	10.1	7.6	6.4	6.0	6.8
125°	6.0	6.0	6.8	8.0	9.7	10.1	8.9	6.8	5.6	5.6	6.4
127.5°	6.0	6.0	6.8	7.6	8.9	8.9	8.0	6.0	5.2	5.2	6.0
130°	6.0	6.0	6.4	7.2	8.0	8.0	6.8	5.2	4.8	4.8	5.6
132.5°	6.4	6.4	6.4	6.8	7.2	7.2	6.0	4.8	4.4	4.4	5.6
135°	6.0	6.0	6.0	6.4	6.4	6.4	5.2	4.4	4.0	4.4	5.2
137.5°	5.6	5.6	6.0	6.0	6.0	5.6	4.4	3.6	3.6	4.0	4.8
140°	5.6	5.2	5.6	5.6	5.2	4.8	4.0	3.2	3.2	3.6	4.0
142.5°	4.8	4.8	4.8	4.8	4.4	4.0	3.2	2.8	3.2	3.2	3.6
145°	4.4	4.4	4.4	4.0	4.0	3.2	2.4	2.4	2.4	2.8	3.2
147.5°	3.6	3.6	3.6	3.6	3.2	2.8	1.6	2.0	2.0	2.0	2.4
150°	2.8	2.8	3.2	2.8	2.4	2.0	1.2	1.6	2.0	2.0	2.0
152.5°	2.4	2.4	2.4	2.4	2.0	1.2	1.2	1.6	1.6	1.6	2.0
155°	1.6	1.6	1.6	1.6	1.2	0.8	1.2	1.2	1.6	1.6	1.6
157.5°	0.8	0.8	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
160°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
162.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
165°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
167.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
170°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
172.5°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
175°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
177.5°	0.0	0.4	0.8	0.8	1.2	0.8	0.8	0.8	0.8	0.8	1.2
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8





REPORT NUMBER: P415241

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2.5°	86.9	86.1	84.5	82.9	81.7	80.5	79.7	78.5	77.7	77.7	77.7
5°	93.8	93.0	88.9	84.9	81.3	78.1	75.7	72.8	71.6	70.4	70.8
7.5°	107.5	104.6	98.2	91.4	85.3	78.9	74.1	70.0	67.6	66.0	66.0
10°	126.0	121.5	111.9	101.4	91.4	82.1	74.9	69.2	65.2	63.6	63.6
12.5°	149.7	145.3	130.4	114.7	99.4	86.1	76.9	69.6	65.2	63.2	63.2
15°	181.5	173.9	153.7	131.2	109.1	91.0	78.9	72.8	70.0	68.8	68.8
17.5°	219.4	208.1	181.9	148.1	118.7	95.8	84.1	78.5	76.1	75.7	75.7
20°	263.6	249.5	210.1	165.0	126.4	101.8	88.5	83.7	82.9	83.3	83.3
22.5°	313.9	293.4	239.1	180.3	133.6	105.4	91.8	87.7	88.5	90.6	90.2
25°	367.1	345.3	270.9	194.0	138.5	107.1	93.8	91.4	94.6	97.0	97.0
27.5°	429.0	395.2	299.8	203.7	139.7	105.9	94.2	93.0	97.4	101.0	101.8
30°	492.2	448.8	324.8	209.7	137.2	103.0	92.6	93.4	98.6	103.4	103.8
32.5°	556.2	499.5	345.3	210.9	133.2	99.4	91.0	92.6	98.2	103.4	104.2
35°	619.8	547.0	359.0	206.5	126.8	95.8	88.1	91.0	96.6	102.6	103.4
37.5°	682.2	592.0	367.5	199.2	120.3	92.6	86.1	88.9	94.6	101.4	102.2
40°	750.2	640.3	372.3	190.8	113.9	89.8	84.9	87.7	93.4	99.8	101.0
42.5°	812.6	684.6	372.7	180.3	109.1	88.5	84.1	86.5	91.8	98.6	99.8
45°	893.9	730.1	372.7	171.5	105.9	88.1	84.1	86.1	91.0	98.2	99.8
47.5°	970.8	782.4	373.5	163.8	104.2	88.9	84.9	85.7	89.8	98.2	99.8
50°	1060.1	832.7	379.9	158.2	103.8	90.6	86.1	85.3	88.5	97.4	99.4
52.5°	1149.1	899.1	388.0	154.1	104.6	92.2	86.9	85.3	87.3	95.4	97.8
55°	1246.5	962.3	396.8	154.6	106.3	93.8	88.1	84.9	85.7	92.2	94.6
57.5°	1343.9	1036.4	416.2	157.0	108.3	95.8	89.4	84.9	83.7	88.5	90.6
60°	1429.2	1101.6	436.3	162.2	111.1	97.8	90.2	84.5	82.1	84.9	86.5
62.5°	1519.4	1172.8	452.4	166.6	114.3	99.4	90.2	84.1	80.9	82.9	83.7
65°	1578.1	1215.1	460.8	172.3	117.5	100.6	90.6	83.3	80.5	81.7	82.5
67.5°	1608.3	1221.9	455.2	174.3	120.3	101.4	90.2	82.5	80.9	81.7	82.5
70°	1572.5	1176.4	428.2	173.1	121.1	101.4	89.4	81.7	80.9	82.1	82.5
72.5°	1442.9	1067.0	388.4	167.0	119.9	99.8	88.1	80.5	80.5	82.5	82.5
75°	1242.5	909.6	336.1	157.8	116.7	97.4	85.7	78.5	79.3	82.1	82.1
77.5°	994.9	719.6	276.9	144.5	110.7	93.4	82.5	75.7	77.7	80.9	80.5
80°	740.6	536.1	223.0	129.6	102.6	87.7	78.1	72.4	75.3	78.1	77.3
82.5°	493.4	376.3	176.3	113.9	94.2	82.1	73.3	68.0	71.6	74.5	73.3
85°	320.4	250.7	136.4	98.2	85.3	75.7	67.2	63.2	66.8	69.2	68.0
87.5°	199.6	168.2	103.8	83.7	76.1	68.4	62.0	57.6	61.2	63.6	62.0
90°	132.0	112.7	81.7	72.4	67.6	61.6	55.5	52.3	55.9	56.7	55.5
92.5°	86.9	79.7	66.4	62.0	59.6	54.7	50.3	47.5	50.3	50.7	49.9
95°	62.4	60.4	54.7	53.9	52.7	48.7	45.1	42.7	44.3	44.7	43.1
97.5°	47.5	47.1	46.7	46.7	45.9	43.1	39.8	37.8	38.6	38.2	37.0
100°	37.0	37.8	39.0	39.8	39.4	37.4	35.0	33.4	33.8	32.2	31.0
102.5°	29.0	30.6	32.6	33.8	33.8	32.2	31.0	29.4	28.2	26.2	25.8
105°	22.9	24.1	27.0	29.0	29.0	28.2	27.0	25.0	23.7	21.3	21.3
107.5°	18.1	19.7	22.9	24.6	25.0	24.1	23.3	21.7	19.7	17.3	17.3
110°	14.5	15.7	19.3	20.9	21.3	20.9	20.1	18.1	16.1	14.5	14.5



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CATALOG NUMBER: LXF.LXT-PA1-40-827-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.1	13.3	16.1	17.7	18.5	18.1	17.3	15.3	13.3	12.1	12.1
115°	10.5	11.7	13.7	15.3	15.7	15.7	14.5	13.3	10.9	10.5	10.5
117.5°	9.3	10.1	12.1	13.3	14.1	13.7	12.5	11.3	9.7	9.3	9.3
120°	8.5	9.3	10.9	12.1	12.1	11.7	10.9	9.7	8.5	8.0	8.5
122.5°	7.6	8.5	9.7	10.5	10.5	10.5	9.7	8.5	7.2	7.2	7.6
125°	7.2	7.6	8.9	9.3	9.7	9.3	8.5	7.2	6.4	6.8	6.8
127.5°	6.8	7.2	8.0	8.5	8.5	8.0	7.2	6.4	5.6	6.0	6.4
130°	6.4	6.8	7.2	7.6	7.6	7.2	6.4	5.6	5.2	5.6	5.6
132.5°	5.6	6.0	6.4	6.8	6.4	6.4	5.6	4.8	4.8	5.2	5.2
135°	5.2	5.6	5.6	6.0	5.6	5.6	4.8	4.4	4.4	4.8	4.8
137.5°	4.8	5.2	5.2	5.2	4.8	4.8	4.4	4.0	4.0	4.0	4.4
140°	4.4	4.4	4.4	4.4	4.0	4.0	3.6	3.2	3.6	3.6	3.6
142.5°	4.0	4.0	4.0	3.6	3.6	3.2	2.8	2.8	3.2	3.2	3.2
145°	3.2	3.2	3.2	2.8	2.8	2.4	2.4	2.4	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.4	2.0	2.0	2.0	2.0	2.4	2.4	2.4
150°	2.4	2.4	2.4	2.0	1.6	1.6	1.2	1.6	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	2.0	1.6	0.8	1.2	1.6	1.6	1.6	1.6
155°	1.6	1.6	2.0	1.6	1.2	0.4	0.8	1.2	1.2	1.2	1.2
157.5°	1.6	1.6	1.6	1.2	0.8	0.4	0.8	0.8	1.2	0.8	1.2
160°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
162.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.4	0.4	0.4
165°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
170°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
175°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)