

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: P414305

Luminaire Tested: **LXF.LXT-PA1-20-750-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414305  
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-PA1-20-750-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 260mA 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: 2563 lumens  
Efficiency: N/A  
Efficacy: 122.0 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

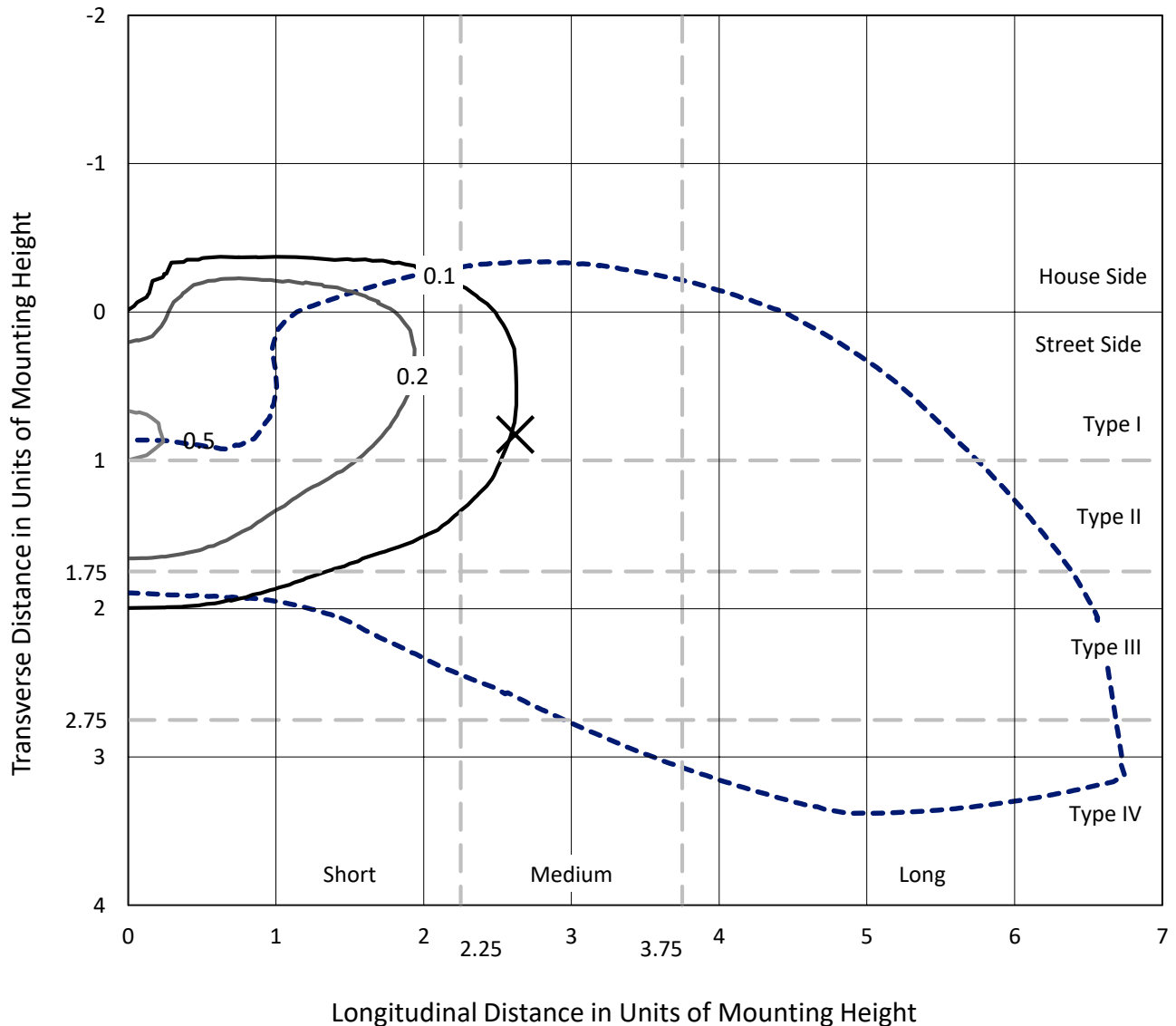
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414305  
 CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

### Iso-Footcandle Lines of Horizontal Illumination

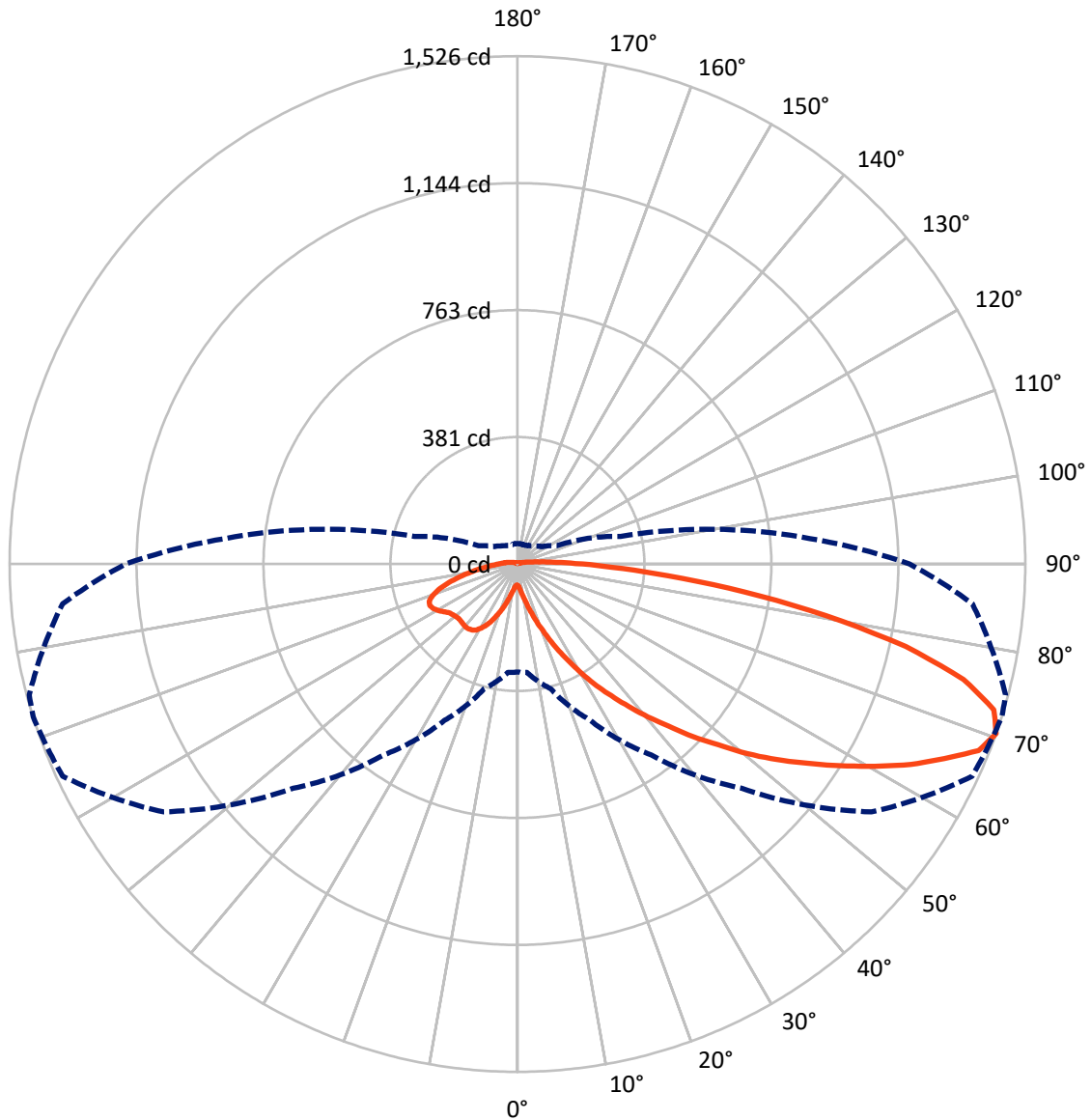
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414305  
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P414305

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	460.7	41.8	502.5
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	2012.2	48.2	2060.4
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	2473.0	90.0	2563.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.2	0.3
10°-20°	34.7	1.4
20°-30°	96.8	3.8
30°-40°	200.7	7.8
40°-50°	346.7	13.5
50°-60°	512.1	20.0
60°-70°	604.4	23.6
70°-80°	479.6	18.7
80°-90°	190.7	7.4
90°-100°	50.4	2.0
100°-110°	19.5	0.8
110°-120°	9.5	0.4
120°-130°	5.3	0.2
130°-140°	3.1	0.1
140°-150°	1.5	0.1
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2473.0	96.5
0°-180°	2563.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P414305

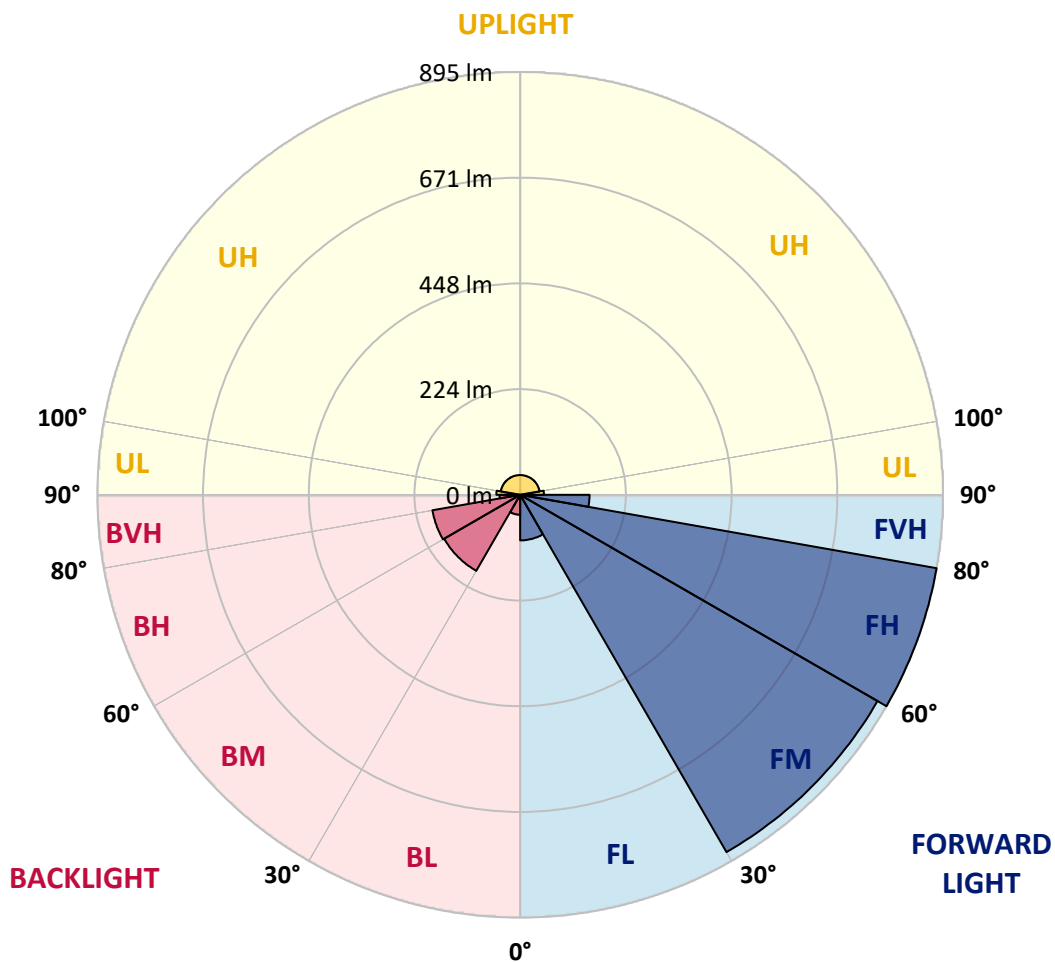
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.5	3.8			
FM	(30°-60°)	873.6	34.1			
FH	(60°-80°)	895.3	34.9			G1/1800
FVH	(80°-90°)	146.8	5.7			G2/225
BL	(0°-30°)	42.3	1.6	B0/110		
BM	(30°-60°)	185.9	7.3	B0/220		
BH	(60°-80°)	188.7	7.4	B1/500		G1/500
BVH	(80°-90°)	43.8	1.7			G1/100
UL	(90°-100°)	50.4	2.0		U3/500	
UH	(100°-180°)	41.8	1.6		U2/50	

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

Type IV Medium





REPORT NUMBER: P414305

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	72.0	72.3	72.0	72.0	71.4	71.1	69.3	68.1	67.2	66.6	65.7
5°	83.5	84.1	83.8	83.8	82.3	81.4	79.3	76.8	75.0	74.7	72.0
7.5°	98.8	98.5	97.3	97.0	96.4	94.9	91.9	88.3	86.5	85.9	82.0
10°	117.8	116.3	116.9	114.8	113.6	111.2	108.5	105.8	102.2	102.2	96.7
12.5°	136.8	140.1	139.2	136.2	133.8	129.9	126.6	125.7	121.4	122.1	116.9
15°	167.9	167.6	164.8	162.7	157.9	153.1	150.1	148.0	146.8	145.9	140.1
17.5°	200.7	198.9	196.8	190.5	183.5	179.3	176.6	174.5	176.0	175.7	168.8
20°	238.7	236.6	233.6	222.1	213.1	206.4	204.9	207.3	208.2	210.7	203.7
22.5°	280.9	280.0	272.7	259.8	244.4	235.7	234.2	239.9	246.8	248.0	243.2
25°	331.5	330.3	320.3	301.7	281.5	268.2	268.2	277.3	288.7	291.4	289.0
27.5°	385.7	382.7	369.8	346.9	319.1	302.0	299.9	316.1	332.1	339.9	336.9
30°	448.1	447.5	426.1	398.1	364.9	337.5	336.6	360.4	383.0	386.6	387.2
32.5°	512.3	517.4	492.7	450.8	410.8	378.5	377.0	403.8	435.2	441.5	441.5
35°	586.4	586.7	556.3	514.7	459.9	423.1	418.9	450.8	485.8	494.5	499.4
37.5°	661.2	659.4	632.0	574.7	513.2	468.9	465.0	502.7	542.4	556.6	555.7
40°	734.7	739.8	705.2	641.9	567.8	522.9	513.2	557.5	603.3	619.3	613.0
42.5°	814.0	812.8	781.7	711.2	628.6	575.0	569.3	615.1	666.0	684.1	678.4
45°	883.3	882.7	848.9	778.4	686.8	635.3	627.4	675.9	739.8	756.7	745.0
47.5°	947.2	945.7	910.7	839.0	737.7	692.8	693.4	743.2	811.0	838.7	820.6
50°	996.6	991.5	969.5	892.0	792.9	753.4	764.8	823.3	895.6	920.7	901.1
52.5°	1023.1	1015.3	998.1	929.1	845.0	813.4	835.4	904.7	976.1	999.9	978.5
55°	1010.5	1010.5	1000.8	951.7	882.1	868.2	912.5	982.4	1056.9	1083.1	1064.1
57.5°	959.5	967.4	971.9	945.7	907.7	922.5	992.7	1071.0	1142.5	1171.4	1146.4
60°	870.3	872.4	905.6	913.1	917.9	968.6	1075.9	1169.3	1233.5	1256.4	1228.0
62.5°	744.1	754.0	794.4	850.1	902.9	1006.8	1163.2	1268.1	1326.0	1341.3	1300.1
65°	603.6	601.2	675.9	759.4	861.3	1018.0	1233.8	1364.0	1408.9	1429.3	1357.6
67.5°	457.8	456.3	525.3	647.6	790.8	1006.2	1291.0	1445.3	1494.7	1495.3	1393.8
70°	324.6	327.0	388.2	518.0	699.8	952.6	1298.0	1507.4	1525.5	1518.2	1371.8
72.5°	220.3	222.1	280.3	396.9	579.2	865.8	1240.1	1500.8	1496.5	1476.4	1281.4
75°	141.9	154.0	197.1	301.7	468.9	740.7	1127.7	1405.8	1383.8	1350.4	1124.4
77.5°	97.9	104.0	137.1	219.7	366.5	611.8	968.3	1215.1	1192.2	1151.2	906.5
80°	66.3	69.0	94.3	164.2	288.4	481.0	789.0	978.2	938.7	896.5	679.9
82.5°	44.3	49.4	67.8	117.8	218.2	371.3	600.0	747.1	684.4	647.9	477.7
85°	29.5	32.2	48.2	85.6	157.9	270.3	431.8	507.5	452.3	420.1	305.3
87.5°	19.9	22.3	34.4	61.2	116.9	196.5	289.3	327.9	283.6	263.4	184.7
90°	13.3	14.8	25.3	44.0	82.6	137.1	195.3	202.5	173.9	161.5	113.0
92.5°	9.3	10.8	19.0	32.5	57.9	95.2	125.4	122.7	102.5	96.4	72.9
95°	7.2	8.4	14.8	25.0	42.2	65.4	81.7	74.7	64.8	62.7	50.3
97.5°	6.3	6.9	12.4	20.2	31.9	46.4	53.0	50.6	43.7	42.5	36.8
100°	5.7	6.3	10.8	17.5	25.6	34.1	38.0	35.3	31.6	30.7	27.1
102.5°	5.4	5.7	9.6	15.1	21.1	26.8	29.2	26.2	23.5	23.2	20.8
105°	5.1	5.4	8.4	13.0	17.8	22.0	22.9	20.5	18.4	17.5	15.7
107.5°	4.8	4.8	7.5	11.5	15.4	18.4	19.0	16.6	14.2	13.6	12.4
110°	4.5	4.8	6.9	10.2	13.6	16.0	16.0	13.6	11.2	10.5	9.9



REPORT NUMBER: P414305

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	4.5	4.5	6.3	9.0	12.1	13.9	13.6	11.2	9.0	8.1	8.1
115°	4.2	4.5	6.0	8.4	10.8	12.1	11.5	9.3	7.2	6.6	6.9
117.5°	4.2	4.5	5.4	7.5	9.6	10.5	9.9	7.8	6.0	5.7	6.3
120°	4.2	4.5	5.4	6.9	8.4	9.3	8.7	6.6	5.4	5.1	5.7
122.5°	4.5	4.5	5.1	6.3	7.8	8.4	7.5	5.7	4.8	4.5	5.1
125°	4.5	4.5	5.1	6.0	7.2	7.5	6.6	5.1	4.2	4.2	4.8
127.5°	4.5	4.5	5.1	5.7	6.6	6.6	6.0	4.5	3.9	3.9	4.5
130°	4.5	4.5	4.8	5.4	6.0	6.0	5.1	3.9	3.6	3.6	4.2
132.5°	4.8	4.8	4.8	5.1	5.4	5.4	4.5	3.6	3.3	3.3	4.2
135°	4.5	4.5	4.5	4.8	4.8	4.8	3.9	3.3	3.0	3.3	3.9
137.5°	4.2	4.2	4.5	4.5	4.5	4.2	3.3	2.7	2.7	3.0	3.6
140°	4.2	3.9	4.2	4.2	3.9	3.6	3.0	2.4	2.4	2.7	3.0
142.5°	3.6	3.6	3.6	3.6	3.3	3.0	2.4	2.1	2.4	2.4	2.7
145°	3.3	3.3	3.3	3.0	3.0	2.4	1.8	1.8	1.8	2.1	2.4
147.5°	2.7	2.7	2.7	2.7	2.4	2.1	1.2	1.5	1.5	1.5	1.8
150°	2.1	2.1	2.4	2.1	1.8	1.5	0.9	1.2	1.5	1.5	1.5
152.5°	1.8	1.8	1.8	1.8	1.5	0.9	0.9	1.2	1.2	1.2	1.5
155°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.2	1.2
157.5°	0.6	0.6	0.9	0.9	0.6	0.6	0.6	0.9	0.9	0.9	0.9
160°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
162.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
165°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
167.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
170°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
172.5°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
175°	0.0	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
177.5°	0.0	0.3	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.9
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6





REPORT NUMBER: P414305

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	65.1	64.5	63.3	62.1	61.2	60.3	59.7	58.8	58.2	58.2	58.2
5°	70.2	69.6	66.6	63.6	60.9	58.5	56.7	54.5	53.6	52.7	53.0
7.5°	80.5	78.4	73.5	68.4	63.9	59.1	55.5	52.4	50.6	49.4	49.4
10°	94.3	91.0	83.8	75.9	68.4	61.5	56.1	51.8	48.8	47.6	47.6
12.5°	112.1	108.8	97.6	85.9	74.4	64.5	57.6	52.1	48.8	47.3	47.3
15°	135.9	130.2	115.1	98.2	81.7	68.1	59.1	54.5	52.4	51.5	51.5
17.5°	164.2	155.8	136.2	110.9	88.9	71.7	63.0	58.8	57.0	56.7	56.7
20°	197.4	186.8	157.3	123.6	94.6	76.2	66.3	62.7	62.1	62.4	62.4
22.5°	235.1	219.7	179.0	135.0	100.1	79.0	68.7	65.7	66.3	67.8	67.5
25°	274.8	258.6	202.8	145.3	103.7	80.2	70.2	68.4	70.8	72.6	72.6
27.5°	321.2	295.9	224.5	152.5	104.6	79.3	70.5	69.6	72.9	75.6	76.2
30°	368.6	336.0	243.2	157.0	102.8	77.1	69.3	69.9	73.8	77.4	77.8
32.5°	416.5	374.0	258.6	157.9	99.7	74.4	68.1	69.3	73.5	77.4	78.1
35°	464.1	409.5	268.8	154.6	94.9	71.7	66.0	68.1	72.3	76.8	77.4
37.5°	510.8	443.3	275.1	149.2	90.1	69.3	64.5	66.6	70.8	75.9	76.5
40°	561.7	479.5	278.8	142.8	85.3	67.2	63.6	65.7	69.9	74.7	75.6
42.5°	608.4	512.6	279.1	135.0	81.7	66.3	63.0	64.8	68.7	73.8	74.7
45°	669.3	546.7	279.1	128.4	79.3	66.0	63.0	64.5	68.1	73.5	74.7
47.5°	726.9	585.8	279.7	122.7	78.1	66.6	63.6	64.2	67.2	73.5	74.7
50°	793.8	623.5	284.5	118.4	77.8	67.8	64.5	63.9	66.3	72.9	74.4
52.5°	860.4	673.2	290.5	115.4	78.4	69.0	65.1	63.9	65.4	71.4	73.2
55°	933.3	720.5	297.1	115.7	79.6	70.2	66.0	63.6	64.2	69.0	70.8
57.5°	1006.2	776.0	311.6	117.5	81.1	71.7	66.9	63.6	62.7	66.3	67.8
60°	1070.1	824.8	326.7	121.4	83.2	73.2	67.5	63.3	61.5	63.6	64.8
62.5°	1137.6	878.2	338.7	124.8	85.6	74.4	67.5	63.0	60.6	62.1	62.7
65°	1181.6	909.8	345.1	129.0	88.0	75.3	67.8	62.4	60.3	61.2	61.8
67.5°	1204.2	914.9	340.8	130.5	90.1	75.9	67.5	61.8	60.6	61.2	61.8
70°	1177.4	880.9	320.6	129.6	90.7	75.9	66.9	61.2	60.6	61.5	61.8
72.5°	1080.4	798.9	290.8	125.1	89.8	74.7	66.0	60.3	60.3	61.8	61.8
75°	930.3	681.1	251.6	118.1	87.4	72.9	64.2	58.8	59.4	61.5	61.5
77.5°	745.0	538.8	207.3	108.2	82.9	69.9	61.8	56.7	58.2	60.6	60.3
80°	554.5	401.4	167.0	97.0	76.8	65.7	58.5	54.2	56.4	58.5	57.9
82.5°	369.5	281.8	132.0	85.3	70.5	61.5	54.8	50.9	53.6	55.8	54.8
85°	239.9	187.7	102.2	73.5	63.9	56.7	50.3	47.3	50.0	51.8	50.9
87.5°	149.5	126.0	77.8	62.7	57.0	51.2	46.4	43.1	45.8	47.6	46.4
90°	98.8	84.4	61.2	54.2	50.6	46.1	41.6	39.2	41.9	42.5	41.6
92.5°	65.1	59.7	49.7	46.4	44.6	41.0	37.7	35.6	37.7	38.0	37.4
95°	46.7	45.2	41.0	40.4	39.5	36.5	33.8	31.9	33.1	33.5	32.2
97.5°	35.6	35.3	35.0	35.0	34.4	32.2	29.8	28.3	28.9	28.6	27.7
100°	27.7	28.3	29.2	29.8	29.5	28.0	26.2	25.0	25.3	24.1	23.2
102.5°	21.7	22.9	24.4	25.3	25.3	24.1	23.2	22.0	21.1	19.6	19.3
105°	17.2	18.1	20.2	21.7	21.7	21.1	20.2	18.7	17.8	16.0	16.0
107.5°	13.6	14.8	17.2	18.4	18.7	18.1	17.5	16.3	14.8	13.0	13.0
110°	10.8	11.8	14.5	15.7	16.0	15.7	15.1	13.6	12.1	10.8	10.8



REPORT NUMBER: P414305

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	9.9	12.1	13.3	13.9	13.6	13.0	11.5	9.9	9.0	9.0
115°	7.8	8.7	10.2	11.5	11.8	11.8	10.8	9.9	8.1	7.8	7.8
117.5°	6.9	7.5	9.0	9.9	10.5	10.2	9.3	8.4	7.2	6.9	6.9
120°	6.3	6.9	8.1	9.0	9.0	8.7	8.1	7.2	6.3	6.0	6.3
122.5°	5.7	6.3	7.2	7.8	7.8	7.8	7.2	6.3	5.4	5.4	5.7
125°	5.4	5.7	6.6	6.9	7.2	6.9	6.3	5.4	4.8	5.1	5.1
127.5°	5.1	5.4	6.0	6.3	6.3	6.0	5.4	4.8	4.2	4.5	4.8
130°	4.8	5.1	5.4	5.7	5.7	5.4	4.8	4.2	3.9	4.2	4.2
132.5°	4.2	4.5	4.8	5.1	4.8	4.8	4.2	3.6	3.6	3.9	3.9
135°	3.9	4.2	4.2	4.5	4.2	4.2	3.6	3.3	3.3	3.6	3.6
137.5°	3.6	3.9	3.9	3.9	3.6	3.6	3.3	3.0	3.0	3.0	3.3
140°	3.3	3.3	3.3	3.3	3.0	3.0	2.7	2.4	2.7	2.7	2.7
142.5°	3.0	3.0	3.0	2.7	2.7	2.4	2.1	2.1	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.1	2.1	1.8	1.8	1.8	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	1.8	1.5	1.5	1.5	1.5	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.5	1.2	1.2	0.9	1.2	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	1.5	1.2	0.6	0.9	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.5	1.2	0.9	0.3	0.6	0.9	0.9	0.9	0.9
157.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.6	0.6	0.9	0.6	0.9
160°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
162.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.3	0.3	0.3
165°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)