

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: P414143

Luminaire Tested: **LXF.LXT-PA1-20-727-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414143  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-727-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2150 lumens  
Efficiency: N/A  
Efficacy: 102.4 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 - U2 - G2

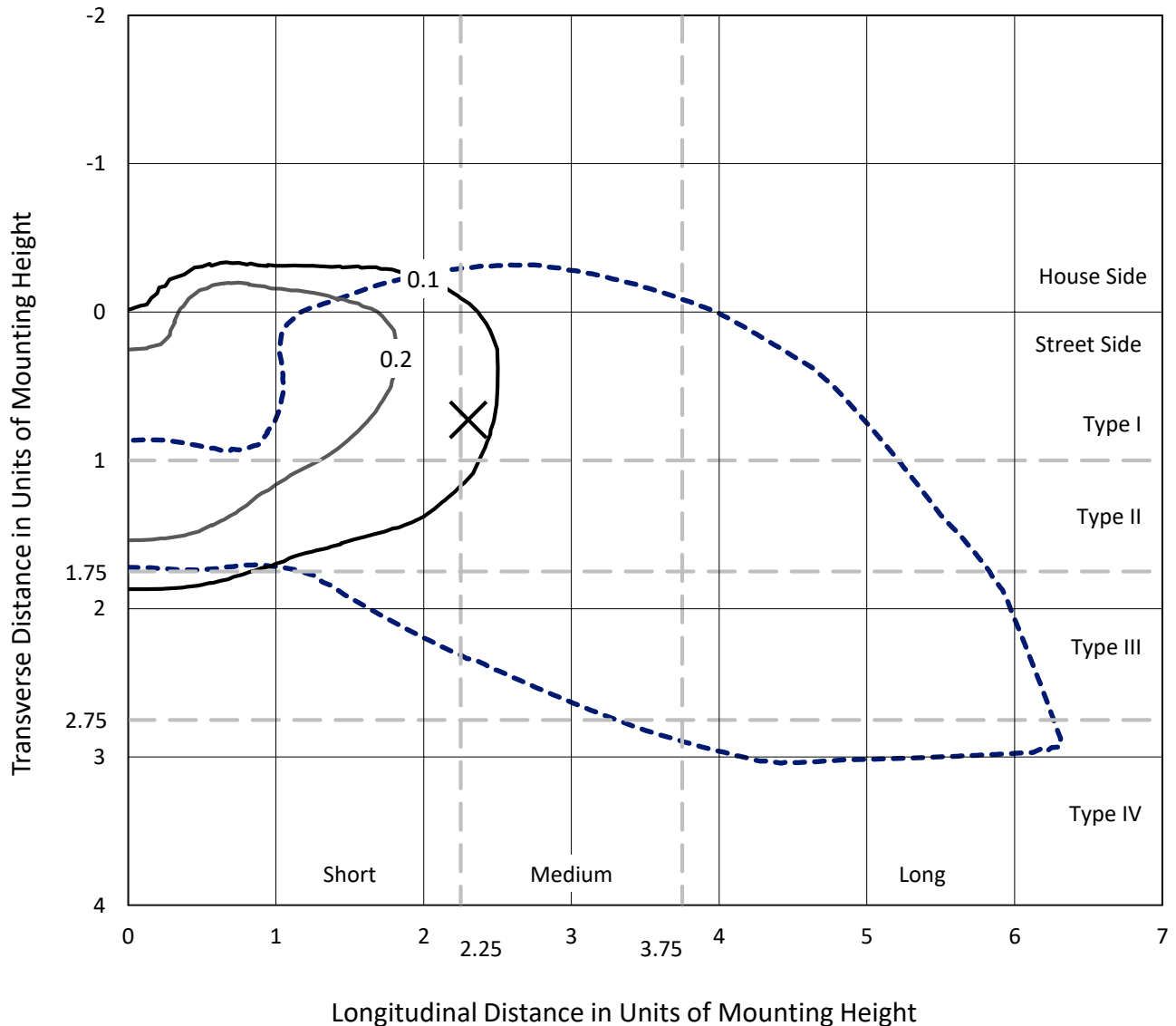
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

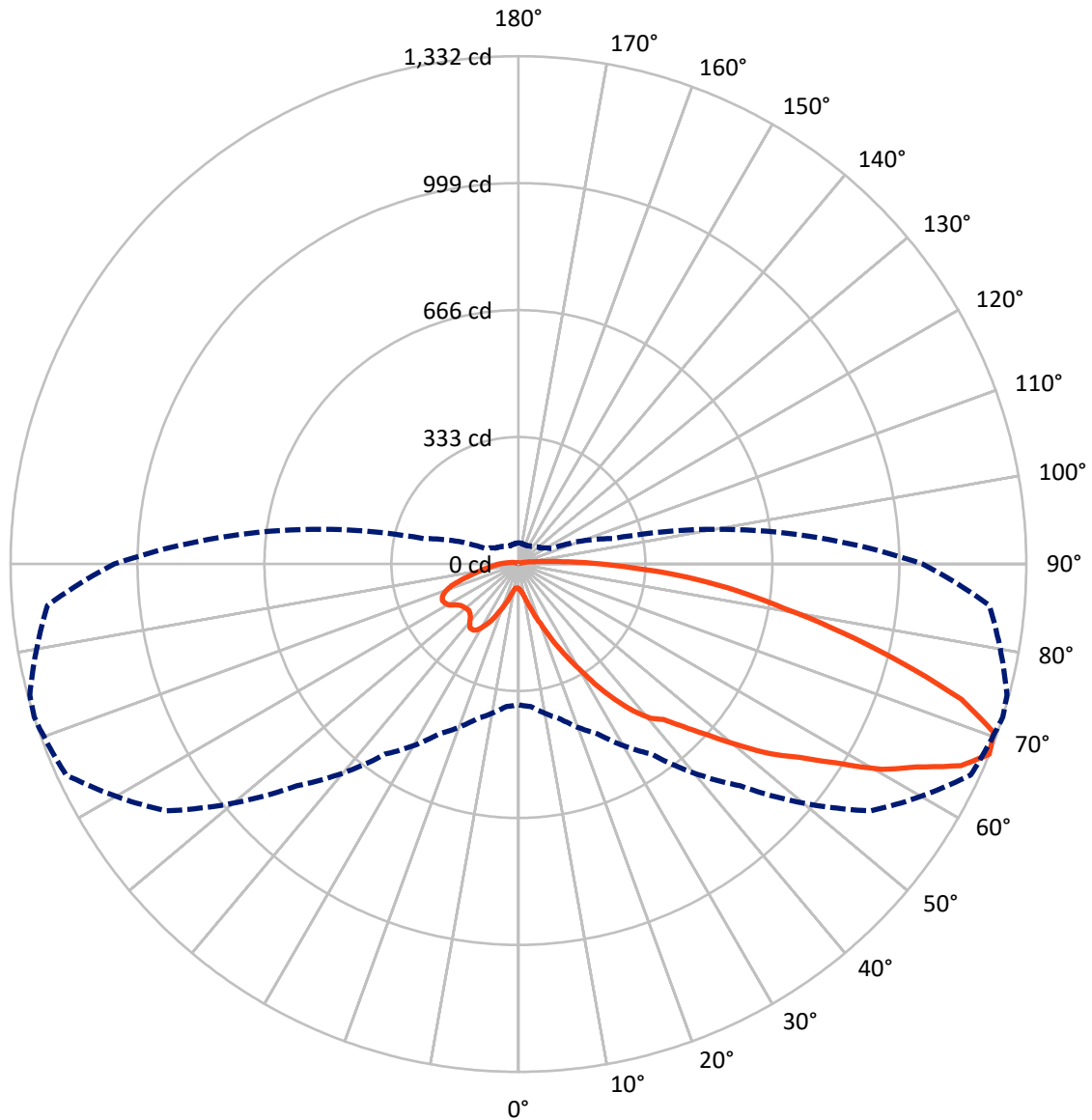
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	376.2	33.1	409.3
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	1694.0	46.8	1740.7
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	2070.2	79.8	2150.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.7	0.3
10°-20°	29.0	1.3
20°-30°	80.4	3.7
30°-40°	172.9	8.0
40°-50°	292.6	13.6
50°-60°	429.4	20.0
60°-70°	512.1	23.8
70°-80°	382.4	17.8
80°-90°	164.7	7.7
90°-100°	47.8	2.2
100°-110°	15.5	0.7
110°-120°	7.3	0.3
120°-130°	4.4	0.2
130°-140°	2.8	0.1
140°-150°	1.3	0.1
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2070.2	96.3
0°-180°	2150.0	100.0

**Coefficient of Utilization**



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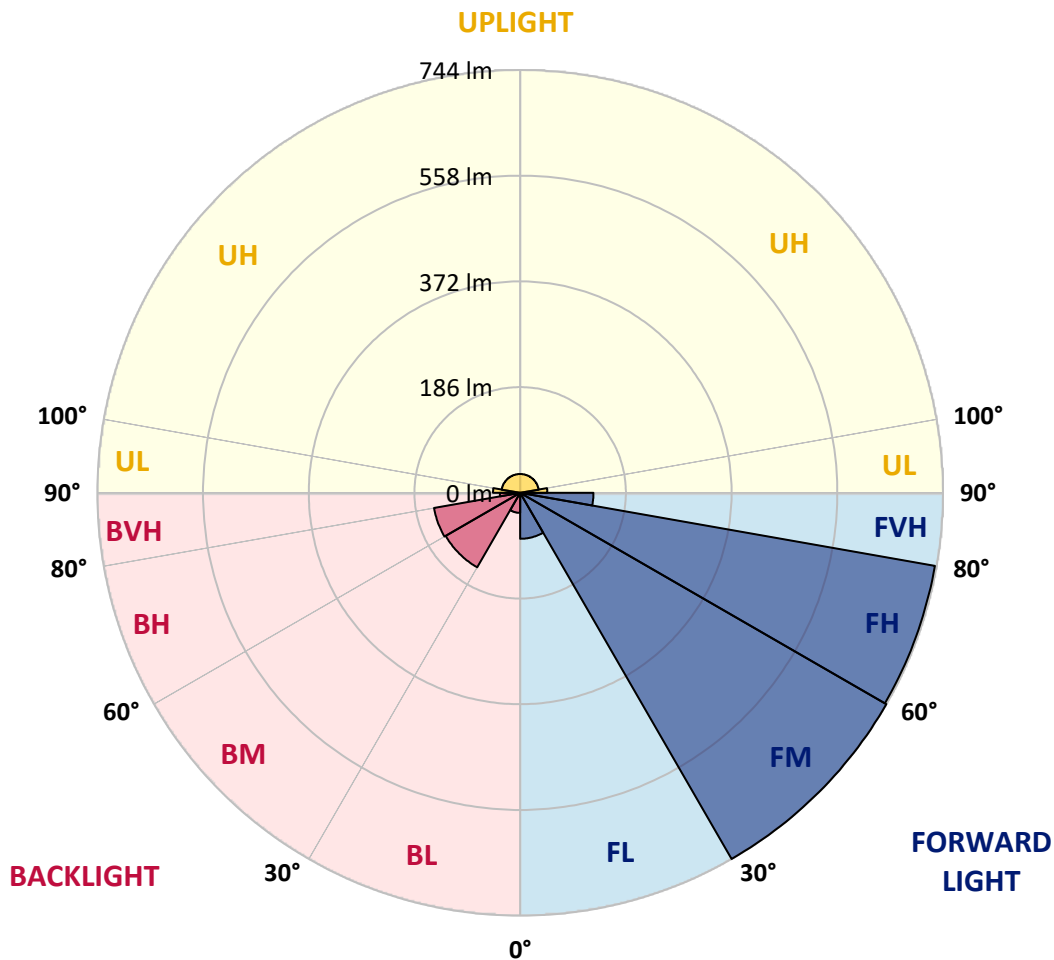
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.9	3.8			
FM	(30°-60°)	743.6	34.6			
FH	(60°-80°)	740.6	34.4			G1/1800
FVH	(80°-90°)	128.8	6.0			G2/225
BL	(0°-30°)	35.3	1.6	B0/110		
BM	(30°-60°)	151.3	7.0	B0/220		
BH	(60°-80°)	153.8	7.2	B1/500		G1/500
BVH	(80°-90°)	35.9	1.7			G1/100
UL	(90°-100°)	47.8	2.2		U2/50	
UH	(100°-180°)	33.1	1.5		U2/50	

**BUG Rating: B1-U2-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	70.6	71.1	71.6	71.3	71.1	70.3	69.1	67.8	66.5	66.5	65.5
5°	80.7	80.4	80.2	80.4	79.2	77.4	75.4	73.1	71.3	70.8	68.3
7.5°	92.3	91.8	92.3	90.7	89.0	86.7	83.7	80.7	77.6	77.1	73.1
10°	106.1	105.6	105.4	104.1	100.8	97.6	94.5	89.7	87.5	86.7	81.4
12.5°	123.5	123.3	121.8	119.2	114.9	111.7	107.4	104.9	102.6	100.8	95.5
15°	143.4	143.9	142.2	136.9	131.6	126.5	124.5	122.5	120.7	120.0	115.5
17.5°	171.4	170.4	166.4	158.3	149.7	145.7	143.9	142.7	144.4	143.9	136.9
20°	205.9	203.4	197.1	183.3	172.7	166.1	164.6	166.9	167.9	170.4	165.6
22.5°	246.5	243.3	232.7	217.0	201.7	189.3	187.8	194.6	200.9	201.7	199.6
25°	286.1	283.1	273.8	253.3	232.7	216.3	212.8	227.9	240.5	242.7	245.5
27.5°	326.7	325.2	311.6	289.4	266.7	246.0	245.5	261.9	281.6	286.9	291.7
30°	372.8	376.3	359.2	331.2	302.7	278.8	277.5	301.7	325.9	337.3	345.3
32.5°	437.9	434.8	413.4	382.1	339.8	311.8	313.6	341.8	382.6	392.2	402.8
35°	512.5	513.5	484.2	435.6	385.7	351.1	349.9	389.2	436.6	444.7	462.3
37.5°	573.7	578.8	557.1	501.1	437.1	392.5	394.2	438.4	488.3	504.4	519.8
40°	639.5	644.1	618.8	564.4	493.1	438.1	440.6	483.5	531.1	544.2	548.0
42.5°	711.4	715.9	685.4	620.9	540.2	493.1	483.2	516.0	557.6	574.0	577.3
45°	778.7	786.5	755.7	679.8	592.9	542.5	527.6	554.1	608.5	623.6	627.2
47.5°	799.3	808.7	795.3	733.3	643.3	585.1	575.2	612.0	670.8	693.2	688.7
50°	819.2	827.8	819.7	764.8	685.1	634.5	636.7	679.6	746.1	774.9	771.3
52.5°	822.3	831.1	822.8	784.2	720.9	684.4	709.6	760.3	826.3	847.2	842.2
55°	827.3	833.1	825.5	781.9	746.9	737.6	785.2	842.9	895.4	920.3	912.0
57.5°	757.2	759.5	787.0	775.4	752.4	796.6	870.4	922.6	984.4	1021.7	1017.4
60°	656.4	661.2	695.2	721.9	748.7	838.7	954.1	1033.0	1093.5	1118.0	1094.8
62.5°	573.5	578.8	614.6	648.8	716.6	857.3	1041.6	1131.8	1171.6	1193.8	1166.4
65°	462.1	466.1	509.7	577.0	664.5	850.0	1107.1	1234.7	1274.7	1283.6	1230.4
67.5°	369.3	375.3	419.7	491.5	608.5	822.3	1128.5	1308.8	1332.0	1326.7	1239.7
70°	274.8	277.8	332.0	423.2	542.2	761.8	1108.1	1325.4	1321.9	1315.1	1195.8
72.5°	189.3	188.8	239.7	328.7	473.1	692.7	1013.1	1231.4	1214.7	1197.1	1046.1
75°	122.3	129.1	160.8	239.0	382.6	592.9	890.1	1069.3	1041.1	1013.1	861.8
77.5°	82.4	87.2	112.9	171.2	292.4	498.6	766.1	918.3	871.2	845.7	695.7
80°	56.7	58.7	78.4	125.8	217.5	395.5	627.4	760.0	708.6	678.3	539.9
82.5°	39.8	41.3	54.7	92.8	163.8	295.4	500.9	632.2	578.3	556.3	419.5
85°	28.7	29.7	39.3	69.1	124.5	221.8	381.1	491.8	444.9	428.0	299.7
87.5°	21.4	22.4	29.7	51.2	95.8	168.6	284.3	352.1	301.7	279.8	189.3
90°	15.9	16.9	22.9	38.3	74.9	127.0	205.9	240.7	195.9	177.5	120.7
92.5°	11.8	12.6	17.1	28.0	57.2	97.3	145.2	152.3	116.0	105.6	76.1
95°	8.8	9.3	12.9	20.4	40.8	70.8	95.0	89.0	68.3	62.0	48.1
97.5°	7.3	7.6	10.1	15.6	28.7	49.7	61.0	54.7	44.1	41.1	33.3
100°	6.0	6.3	8.1	11.8	20.9	34.0	40.3	35.5	30.8	29.5	26.0
102.5°	5.3	5.5	6.8	9.8	15.6	24.5	28.0	25.5	22.7	21.7	20.2
105°	4.8	4.8	6.0	8.3	12.9	18.4	20.4	18.7	16.9	16.4	16.1
107.5°	4.3	4.3	5.3	7.3	10.6	14.4	15.4	13.9	12.4	12.1	12.9
110°	4.0	4.0	4.8	6.6	9.1	11.8	12.1	10.3	9.3	9.3	10.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	3.8	3.8	4.5	5.8	8.1	9.8	9.6	8.1	7.3	7.3	8.6
115°	3.8	3.8	4.3	5.5	7.1	8.3	7.8	6.6	6.0	6.0	7.3
117.5°	3.8	4.0	4.3	5.3	6.6	7.3	6.8	5.5	5.3	5.3	6.6
120°	4.0	4.0	4.3	5.3	6.0	6.3	5.8	4.8	4.5	4.8	6.0
122.5°	4.0	4.0	4.5	5.3	5.8	5.8	5.0	4.3	4.3	4.3	5.5
125°	4.3	4.3	4.5	5.3	5.5	5.3	4.5	4.0	4.0	4.3	5.0
127.5°	4.5	4.5	4.8	5.3	5.3	4.8	4.3	3.8	3.8	4.0	5.0
130°	5.0	5.0	5.0	5.3	4.8	4.3	3.8	3.5	3.8	4.0	5.0
132.5°	5.0	5.0	5.0	5.0	4.5	3.8	3.5	3.3	3.8	4.0	4.8
135°	4.5	4.5	4.5	4.5	4.0	3.3	3.0	3.0	3.5	3.8	4.5
137.5°	4.0	4.0	4.0	3.8	3.5	3.0	2.5	2.5	3.0	3.3	4.0
140°	3.5	3.5	3.3	3.3	3.0	2.5	2.3	2.3	2.5	2.8	3.3
142.5°	2.8	2.8	2.8	2.8	2.5	2.0	1.8	1.8	2.3	2.5	2.8
145°	2.3	2.3	2.3	2.3	2.0	1.8	1.5	1.5	1.8	2.0	2.3
147.5°	1.8	1.8	2.0	2.0	1.8	1.5	1.0	1.3	1.5	1.5	1.8
150°	1.5	1.5	1.5	1.8	1.3	1.0	0.8	1.0	1.3	1.3	1.5
152.5°	1.3	1.3	1.3	1.3	1.0	0.5	0.8	1.0	1.0	1.3	1.3
155°	0.8	0.8	1.0	1.0	0.8	0.5	0.8	0.8	1.0	1.0	1.3
157.5°	0.5	0.5	0.8	0.8	0.8	0.5	0.5	0.8	0.8	0.8	1.0
160°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
162.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
165°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
167.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
170°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
172.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
175°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
177.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	64.8	64.3	63.3	62.3	61.3	60.2	60.0	59.5	59.2	59.0	59.2
5°	67.3	65.8	63.5	61.3	59.2	57.5	56.2	55.0	53.9	53.4	53.4
7.5°	71.8	69.3	65.5	61.8	58.2	55.2	53.2	51.4	50.2	49.7	49.4
10°	78.9	75.9	70.3	64.3	59.0	54.4	51.4	49.4	48.1	47.4	47.4
12.5°	91.3	87.7	78.9	69.6	61.0	54.7	50.7	48.7	47.4	47.1	47.4
15°	110.7	105.1	92.3	78.9	65.8	55.2	50.2	49.4	49.9	50.2	50.2
17.5°	133.3	125.8	109.4	89.2	71.1	57.5	52.2	51.7	52.4	53.2	53.7
20°	158.8	149.0	125.3	99.1	74.6	60.8	54.2	53.2	55.0	56.5	56.2
22.5°	191.1	179.2	145.4	106.6	77.1	61.5	55.0	53.9	57.0	58.7	59.2
25°	233.4	216.5	169.1	114.7	78.6	60.5	54.4	54.7	59.2	62.8	63.5
27.5°	279.6	255.1	191.1	121.2	78.6	58.0	53.7	56.7	63.0	67.6	68.1
30°	330.0	295.9	210.2	126.3	76.4	55.5	52.9	57.7	64.0	68.8	69.3
32.5°	383.7	338.3	230.1	128.1	73.1	53.4	52.2	57.0	62.3	66.5	67.6
35°	431.3	376.1	238.0	125.5	68.6	51.9	50.4	54.4	59.7	65.0	65.3
37.5°	481.0	412.1	241.5	118.5	64.0	50.4	48.9	52.7	59.0	65.3	66.0
40°	502.1	421.5	231.4	108.6	59.7	49.4	48.1	52.4	59.2	65.5	66.5
42.5°	523.8	430.5	219.1	94.5	57.0	49.2	48.9	52.4	58.0	63.0	63.8
45°	560.9	450.7	213.5	84.9	55.5	49.9	49.7	51.7	55.7	60.2	61.8
47.5°	613.8	481.2	210.7	78.9	55.5	51.2	50.4	50.9	53.4	57.5	58.7
50°	681.6	523.6	214.3	75.6	56.7	52.9	51.4	50.7	51.7	56.0	57.5
52.5°	738.6	564.1	218.5	75.1	58.7	55.2	52.9	50.7	51.4	56.5	58.2
55°	798.3	602.7	223.3	76.4	61.3	57.0	53.9	51.2	51.7	56.5	58.5
57.5°	885.0	668.3	235.7	79.2	63.8	59.0	55.2	51.9	51.4	55.2	56.7
60°	964.2	730.8	254.1	84.4	66.8	61.0	56.5	52.4	51.2	53.7	54.7
62.5°	1012.1	764.5	261.1	89.5	69.8	62.8	57.0	52.4	51.9	54.2	55.0
65°	1061.5	796.8	263.9	93.5	71.6	63.8	57.0	52.9	52.9	54.4	54.7
67.5°	1059.7	789.8	257.4	95.5	73.1	64.3	57.0	52.9	53.4	55.0	55.2
70°	1013.3	749.2	241.0	95.3	72.8	63.5	56.0	52.7	54.7	56.5	56.7
72.5°	877.2	644.1	214.5	92.3	70.6	61.5	54.4	52.2	55.2	57.7	57.7
75°	719.7	524.6	177.2	86.5	67.8	59.0	52.2	50.4	54.2	57.7	57.7
77.5°	566.9	410.6	143.7	78.9	63.8	56.0	49.4	47.4	51.7	55.0	54.7
80°	440.4	311.3	115.5	71.3	59.2	52.7	46.1	43.9	47.6	49.9	49.4
82.5°	337.8	239.7	95.3	64.3	54.7	48.9	42.9	40.8	44.4	45.9	45.4
85°	230.6	171.7	78.1	56.5	48.9	44.4	39.6	38.1	42.1	43.9	43.4
87.5°	152.3	118.0	65.3	49.7	43.1	39.8	35.8	35.3	39.8	41.6	41.3
90°	100.6	82.4	55.5	43.1	37.6	34.8	32.3	32.3	36.3	37.8	36.8
92.5°	66.3	58.5	43.9	36.6	32.0	30.2	28.7	28.5	32.0	32.5	31.8
95°	45.1	41.1	34.3	30.2	27.0	26.0	24.7	25.2	27.5	27.0	26.2
97.5°	32.3	31.3	27.7	24.7	22.4	22.2	21.7	21.9	23.2	22.2	21.7
100°	25.7	25.0	22.9	20.7	19.2	18.9	18.7	18.9	19.7	18.7	18.1
102.5°	20.7	20.7	19.2	17.4	16.1	16.4	16.4	16.4	16.6	15.1	15.1
105°	16.6	16.6	16.1	14.6	13.9	13.9	14.1	14.1	14.1	13.1	13.1
107.5°	13.4	13.9	13.6	12.4	11.8	12.1	12.1	11.8	11.8	11.3	11.3
110°	10.8	11.3	11.3	10.6	10.3	10.6	10.3	10.1	9.8	9.8	9.8



REPORT NUMBER: P414143

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	9.6	9.8	9.3	9.1	9.1	8.8	8.6	8.6	8.8	8.8
115°	7.8	8.3	8.6	8.1	8.1	8.1	7.6	7.3	7.3	7.8	7.8
117.5°	7.1	7.3	7.6	7.3	7.1	7.1	6.8	6.3	6.3	6.8	7.1
120°	6.3	6.6	6.8	6.6	6.3	6.0	5.8	5.5	5.5	6.3	6.3
122.5°	5.8	6.0	6.0	5.8	5.5	5.5	5.3	5.0	5.0	5.5	5.8
125°	5.5	5.5	5.5	5.3	5.0	4.8	4.5	4.5	4.5	5.0	5.0
127.5°	5.3	5.3	5.0	4.8	4.5	4.3	4.3	4.0	4.0	4.5	4.8
130°	5.3	5.3	4.8	4.5	4.3	3.8	3.8	3.5	3.8	4.3	4.3
132.5°	5.0	5.0	4.5	4.3	3.8	3.5	3.3	3.3	3.3	3.8	4.0
135°	4.8	4.5	4.0	3.8	3.3	3.0	3.0	3.0	3.0	3.5	3.5
137.5°	4.3	4.0	3.5	3.3	3.0	2.8	2.5	2.5	2.8	3.0	3.3
140°	3.5	3.5	3.0	2.8	2.5	2.3	2.3	2.3	2.5	2.8	2.8
142.5°	3.0	3.0	2.5	2.3	2.0	1.8	2.0	2.0	2.3	2.5	2.5
145°	2.5	2.3	2.3	1.8	1.8	1.5	1.5	1.8	2.0	2.3	2.3
147.5°	2.0	2.0	1.8	1.5	1.3	1.3	1.3	1.5	1.8	1.8	2.0
150°	1.8	1.8	1.5	1.5	1.0	0.8	1.0	1.5	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	1.3	1.0	0.5	0.8	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.0	0.8	0.3	0.8	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	0.5	0.3	0.5	0.8	0.8	0.8	1.0
160°	0.8	0.8	0.8	0.8	0.5	0.3	0.5	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.8	0.5	0.5	0.5
165°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
167.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
170°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
172.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
175°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
177.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)