

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: P414404

Luminaire Tested: **LXF.LXT-PA1-20-827-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414404  
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-PA1-20-827-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA 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: 1941 lumens  
Efficiency: N/A  
Efficacy: 92.4 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 - U2 - G1

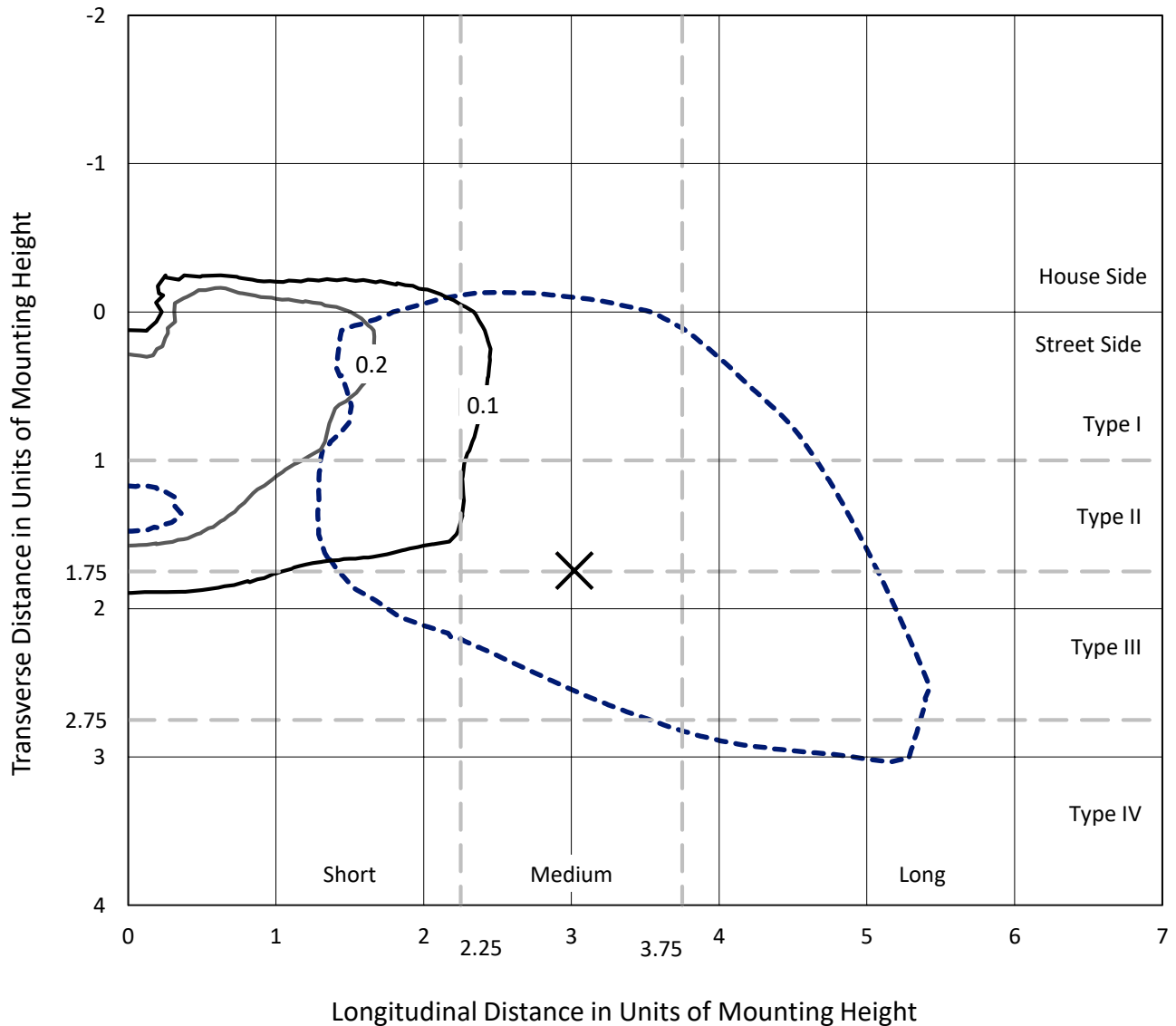
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

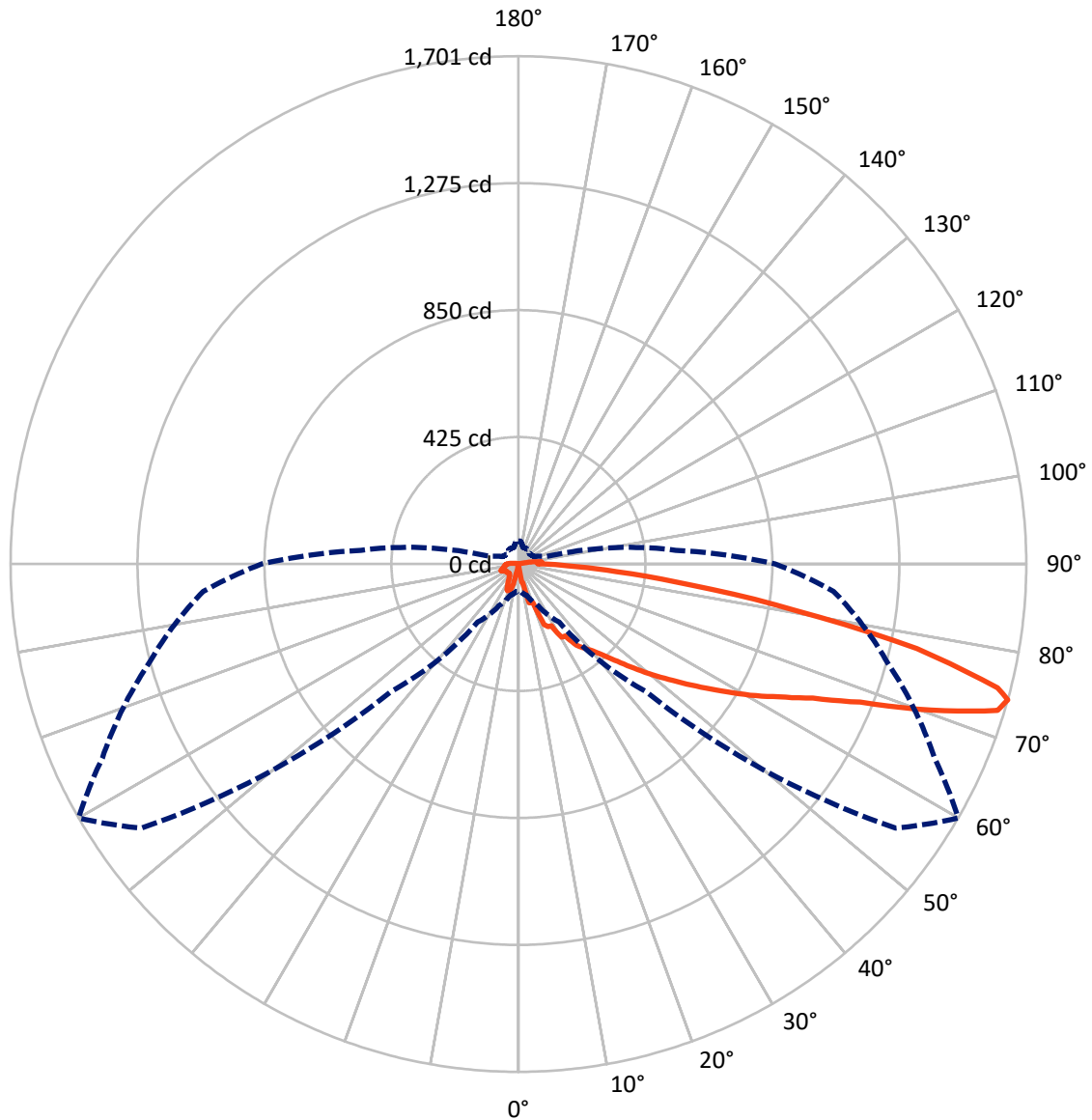
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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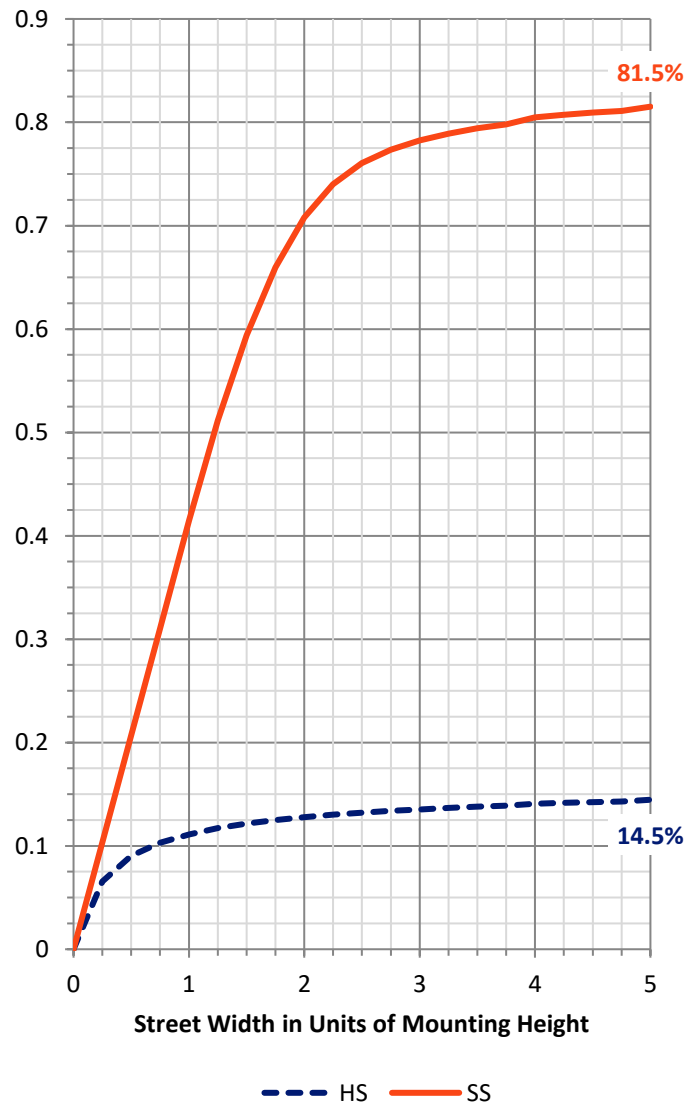
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	297.9	18.9	316.8
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	1604.0	20.2	1624.3
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	1901.9	39.1	1941.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	24.8	1.3
20°-30°	75.1	3.9
30°-40°	150.2	7.7
40°-50°	257.7	13.3
50°-60°	392.9	20.2
60°-70°	484.1	24.9
70°-80°	404.7	20.9
80°-90°	110.2	5.7
90°-100°	28.5	1.5
100°-110°	5.1	0.3
110°-120°	1.9	0.1
120°-130°	1.4	0.1
130°-140°	1.0	0.1
140°-150°	0.8	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1901.9	98.0
0°-180°	1941.0	100.0

**Coefficient of Utilization**



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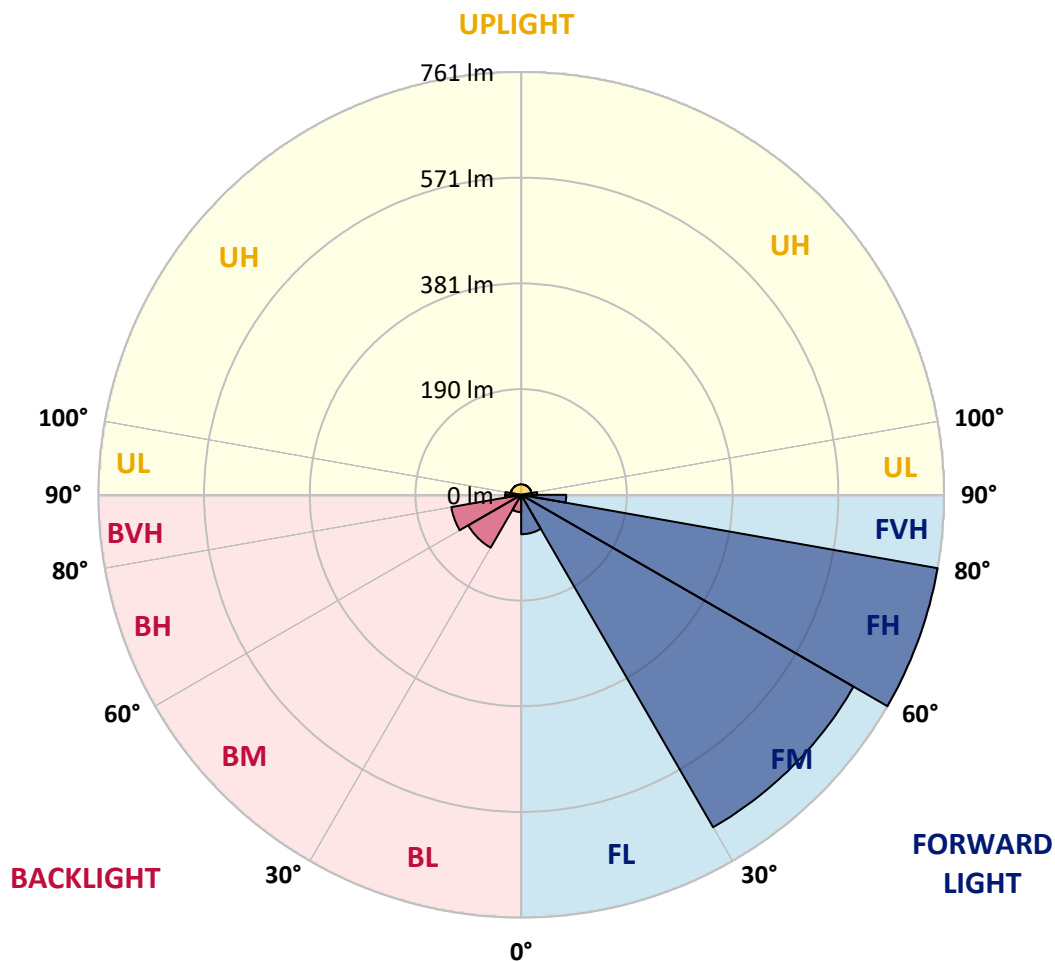
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.9	3.7			
FM (30°-60°)	691.0	35.6			
FH (60°-80°)	761.2	39.2			G1/1800
FVH (80°-90°)	81.0	4.2			G1/100
BL (0°-30°)	31.1	1.6	B0/110		
BM (30°-60°)	109.9	5.7	B0/220		
BH (60°-80°)	127.7	6.6	B1/500		G1/500
BVH (80°-90°)	29.2	1.5			G1/100
UL (90°-100°)	28.5	1.5		U2/50	
UH (100°-180°)	18.9	1.0		U2/50	

**BUG Rating: B1-U2-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.4	2.2	2.0	2.2	2.4	2.2	1.8	1.6	1.3	1.3	1.3
5°	64.7	63.8	63.4	49.4	11.7	7.3	2.9	2.0	1.8	1.3	1.3
7.5°	65.6	64.7	64.9	64.7	63.6	63.6	20.6	7.5	4.2	1.6	1.6
10°	69.1	67.8	66.0	65.8	65.4	64.7	63.6	62.3	14.2	2.4	2.2
12.5°	127.6	127.0	126.1	97.3	70.5	65.6	64.9	63.4	48.7	9.3	43.0
15°	126.7	126.5	125.0	125.6	125.4	71.3	80.9	134.9	129.6	93.9	108.3
17.5°	132.9	132.3	127.6	124.7	125.0	142.5	132.3	133.2	133.6	118.8	116.1
20°	180.4	179.3	178.8	173.7	127.0	167.3	170.6	138.3	141.6	184.3	206.1
22.5°	182.6	181.0	179.3	177.9	200.3	166.6	180.4	220.2	210.3	244.0	230.0
25°	246.6	242.4	224.9	182.1	200.1	191.9	233.3	232.2	219.8	254.6	245.9
27.5°	267.0	264.1	251.3	241.5	204.1	229.8	232.0	234.4	276.5	351.2	327.3
30°	357.6	335.2	277.4	271.4	243.5	231.8	265.2	284.3	311.1	352.7	346.1
32.5°	409.5	398.6	370.7	327.9	285.2	253.5	287.6	287.6	312.6	426.3	437.6
35°	493.4	458.4	403.9	374.9	325.3	303.3	296.5	333.9	369.6	447.8	447.1
37.5°	523.8	520.5	500.1	411.0	382.4	329.9	345.7	357.2	387.3	478.8	477.5
40°	540.4	547.7	549.3	489.0	424.8	381.1	375.6	382.0	411.0	522.5	505.6
42.5°	596.7	599.4	607.6	538.9	488.1	436.9	421.4	418.8	438.9	573.2	542.9
45°	687.5	688.9	682.9	596.3	539.8	492.3	475.1	464.9	482.6	623.5	590.0
47.5°	791.7	794.8	766.0	661.2	586.7	545.7	536.4	520.7	532.0	668.9	648.8
50°	874.5	873.7	822.3	713.7	634.1	600.5	597.6	583.0	584.3	724.1	712.1
52.5°	896.0	894.7	850.8	752.5	677.3	657.4	670.5	647.9	636.1	781.3	777.9
55°	863.7	866.1	845.5	768.6	704.8	707.5	741.4	721.9	705.9	835.3	840.6
57.5°	816.9	814.1	817.2	774.8	726.3	756.4	825.8	801.4	786.1	896.5	902.5
60°	730.3	726.3	766.4	768.2	746.3	811.8	915.5	891.8	870.3	961.0	954.5
62.5°	598.5	593.4	665.8	727.4	769.1	876.8	1004.2	978.5	957.6	1029.4	1017.2
65°	398.4	422.5	507.4	638.3	760.7	970.3	1121.4	1082.8	1044.9	1099.7	1097.4
67.5°	231.1	248.4	310.6	454.0	691.3	1050.3	1307.3	1234.2	1168.8	1179.2	1174.1
70°	143.4	148.7	175.7	261.9	487.2	1023.9	1513.3	1466.1	1327.7	1267.8	1186.1
72.5°	111.2	114.8	130.3	171.1	296.2	791.9	1611.3	1677.5	1488.1	1291.1	1127.1
74°	91.1	93.3	109.5	153.1	237.7	603.8	1541.7	1700.6	1537.3	1279.8	1059.3
75°	72.0	74.2	92.4	146.9	226.0	481.7	1438.7	1657.8	1538.8	1262.3	977.6
77.5°	44.1	45.6	49.9	101.5	205.4	275.2	1061.6	1364.7	1363.8	1048.3	701.1
80°	35.0	35.5	37.2	53.4	167.3	249.5	672.3	941.9	935.0	629.3	359.2
82.5°	24.2	25.9	29.5	34.6	89.1	244.4	423.9	585.2	504.7	239.5	150.2
85°	16.2	17.5	22.4	25.7	47.6	260.1	304.2	329.3	248.4	118.5	99.0
87.5°	6.6	6.9	10.2	12.4	19.3	124.7	204.7	163.1	114.3	75.1	80.7
90°	3.5	3.5	2.7	2.9	7.1	26.8	66.9	64.9	53.8	61.8	75.8
92.5°	4.0	4.0	2.7	2.9	6.9	21.0	72.5	74.0	61.8	65.8	81.1
95°	4.4	4.4	2.7	2.7	6.6	14.4	69.6	78.2	63.6	69.1	81.8
97.5°	4.9	5.1	2.4	2.4	5.3	10.9	43.6	53.4	41.4	35.9	39.2
100°	5.1	5.1	2.2	2.2	3.5	7.8	20.2	25.7	19.9	9.3	6.4
102.5°	5.1	5.3	2.2	2.0	2.4	4.9	6.4	9.3	7.3	5.5	6.0
105°	4.9	5.3	2.2	2.0	2.0	2.7	3.3	3.8	4.0	4.0	6.2
107.5°	3.8	4.2	1.8	2.0	1.8	1.8	1.3	1.6	2.0	3.5	6.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.7	2.7	1.3	1.8	1.6	1.8	1.1	1.3	1.8	2.7	5.1
112.5°	1.3	1.1	0.9	1.3	1.3	1.6	1.1	1.1	1.6	2.2	3.5
115°	0.9	1.1	0.7	0.9	1.1	1.1	0.9	1.1	1.3	2.2	3.8
117.5°	0.9	0.9	0.7	0.9	1.1	0.9	0.9	1.1	1.3	2.2	3.8
120°	1.1	0.9	0.7	0.9	0.9	0.7	0.9	1.1	1.1	2.2	3.8
122.5°	1.1	1.1	0.9	0.9	0.9	0.7	0.9	0.9	1.1	2.2	3.5
125°	1.3	1.1	0.9	0.9	0.9	0.7	0.9	0.9	1.1	2.0	3.3
127.5°	1.3	1.3	0.9	0.9	1.1	0.7	0.9	0.9	1.1	1.8	3.1
130°	1.3	1.3	1.1	0.9	1.1	0.9	0.9	0.9	1.1	1.6	2.7
132.5°	1.3	1.3	1.1	1.1	1.1	0.9	0.9	0.9	0.9	1.3	2.2
135°	1.6	1.3	1.1	1.1	1.3	0.9	0.9	0.9	0.9	1.1	1.6
137.5°	1.6	1.6	1.3	1.3	1.6	1.1	0.9	1.1	1.1	1.1	1.3
140°	1.8	1.8	1.8	1.6	1.6	1.1	1.1	1.1	1.1	1.3	1.3
142.5°	2.2	2.0	2.0	1.8	1.6	1.1	1.1	1.1	1.3	1.3	1.3
145°	2.4	2.4	2.2	2.0	1.6	1.1	1.1	1.3	1.3	1.6	1.6
147.5°	2.4	2.4	2.2	1.8	1.3	0.9	1.1	1.3	1.3	1.6	1.8
150°	2.4	2.2	2.0	1.6	1.1	0.7	0.9	1.1	1.3	1.6	1.8
152.5°	1.8	1.8	1.6	1.1	0.9	0.4	0.7	0.9	1.1	1.3	1.6
155°	1.1	1.1	0.9	0.7	0.7	0.4	0.7	0.9	0.9	1.1	1.3
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.9	0.9
160°	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.7	0.7	0.7	0.7
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.3	1.1	1.1	0.7	0.9	0.9	1.1	1.3	1.6
5°	1.3	1.6	1.3	1.1	1.1	0.9	1.1	1.1	1.1	1.6	1.6
7.5°	1.6	1.6	1.3	1.3	1.1	0.9	1.6	47.9	54.9	56.7	57.2
10°	2.0	2.0	1.8	1.6	1.3	51.6	56.9	56.9	56.5	56.9	56.9
12.5°	44.1	47.4	7.5	3.8	42.5	53.6	52.3	51.4	50.5	49.6	49.2
15°	107.2	103.9	95.3	71.6	66.0	49.2	45.2	62.7	66.9	68.0	67.8
17.5°	113.2	107.9	94.8	99.5	87.3	62.9	56.7	56.3	53.8	53.8	54.1
20°	212.9	200.7	129.4	97.0	75.8	76.2	48.5	43.2	45.2	48.1	49.9
22.5°	218.7	202.7	151.3	126.3	68.2	61.6	47.4	41.9	56.5	62.3	62.7
25°	233.3	207.8	153.3	106.4	77.1	50.5	47.2	43.6	51.8	57.2	56.7
27.5°	316.0	280.3	194.8	97.9	60.9	47.6	44.5	41.9	51.6	60.3	60.0
30°	315.5	276.3	179.9	90.2	50.3	44.3	40.5	45.6	48.1	51.4	51.6
32.5°	409.7	351.2	196.8	74.9	44.5	38.3	40.1	41.7	43.6	52.1	53.8
35°	411.7	343.4	170.8	68.7	41.0	36.6	37.7	41.2	45.4	50.7	51.2
37.5°	419.7	339.4	141.8	56.7	42.1	37.0	39.2	43.2	42.1	49.4	50.3
40°	434.3	340.6	119.2	50.7	41.4	37.0	41.0	41.7	41.9	45.6	46.1
42.5°	456.9	346.5	100.2	48.1	40.8	40.1	39.7	39.9	38.3	45.9	46.8
45°	489.0	358.9	85.5	47.2	40.8	46.8	41.4	39.9	36.6	52.7	56.5
47.5°	536.4	383.3	76.9	47.4	41.0	44.8	41.0	38.8	38.1	61.6	64.3
50°	590.0	411.2	71.1	48.3	41.0	44.1	40.3	39.9	42.3	62.5	63.1
52.5°	647.7	448.5	69.1	49.2	44.1	44.8	45.9	45.6	40.8	50.1	50.1
55°	706.2	487.0	69.8	50.3	46.5	45.9	49.0	43.2	35.0	37.2	36.8
57.5°	761.3	532.0	74.4	49.6	45.0	45.4	49.4	40.5	35.0	37.2	38.1
60°	821.1	580.7	87.3	47.9	44.3	44.1	48.7	42.8	35.0	42.8	43.0
62.5°	894.0	647.9	115.2	49.6	47.9	45.4	49.0	47.2	40.1	41.0	41.9
65°	980.2	717.2	141.8	56.5	50.5	45.6	48.3	49.6	45.4	43.9	43.6
67.5°	1043.4	734.3	142.9	65.6	54.1	48.1	48.7	54.1	49.6	50.5	50.1
70°	1027.4	687.8	123.9	69.4	56.3	50.1	50.1	56.1	52.3	60.0	60.3
72.5°	949.4	597.1	104.6	64.3	53.4	50.7	55.6	58.1	55.6	72.2	71.3
74°	859.9	528.9	96.2	58.5	52.3	50.5	57.2	58.1	57.4	77.1	76.4
75°	791.2	475.3	91.5	55.2	51.6	49.9	57.6	58.3	58.1	77.8	77.6
77.5°	546.8	321.1	80.0	49.2	50.5	49.9	57.4	59.6	61.2	77.3	76.7
80°	280.5	175.7	66.7	46.5	50.1	51.2	56.7	57.6	60.0	73.1	72.5
82.5°	140.7	101.3	49.0	42.8	50.7	55.6	56.9	55.8	56.5	67.4	66.3
85°	90.6	70.0	32.6	35.9	51.6	60.3	56.7	52.1	53.0	58.7	58.3
87.5°	72.9	51.8	19.9	27.9	54.9	55.2	51.8	46.1	45.0	46.1	45.4
90°	67.4	48.1	16.8	26.4	53.2	46.1	42.3	37.7	33.7	33.9	32.6
92.5°	72.5	50.3	17.9	26.1	42.3	32.3	31.0	28.6	23.7	21.0	19.7
95°	71.3	48.3	18.2	22.2	31.0	18.4	21.9	20.2	14.6	11.1	10.4
97.5°	34.3	24.4	16.2	17.3	18.2	14.0	18.6	17.1	10.6	6.9	6.4
100°	6.4	9.1	14.4	16.4	14.4	10.9	14.6	13.1	5.8	3.5	3.3
102.5°	6.2	5.1	10.9	14.8	9.1	6.2	8.0	7.3	3.8	2.7	2.7
105°	6.4	5.1	5.1	10.2	5.5	2.9	2.4	3.5	2.7	2.7	2.9
107.5°	6.6	5.1	3.1	3.3	2.7	2.2	1.8	1.8	2.0	2.9	3.1



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.3	4.4	2.9	2.7	2.4	2.2	1.8	1.6	2.0	3.1	3.3
112.5°	3.8	3.5	2.7	2.2	2.0	2.0	1.6	1.3	2.0	3.3	3.5
115°	3.8	3.5	2.2	2.0	1.6	1.8	1.6	1.3	2.0	3.8	4.0
117.5°	4.0	3.3	2.2	1.8	1.3	1.3	1.3	1.3	2.2	3.8	4.0
120°	4.0	3.3	2.2	1.6	1.3	1.1	1.3	1.3	2.2	3.8	4.2
122.5°	3.8	3.3	2.0	1.6	1.3	1.1	1.1	1.1	2.0	3.8	4.0
125°	3.5	3.1	2.0	1.6	1.3	0.9	1.1	1.1	2.0	3.5	4.0
127.5°	3.3	2.9	2.0	1.6	1.1	0.9	1.1	1.1	2.0	3.3	3.8
130°	2.9	2.7	1.8	1.3	1.1	0.9	1.1	1.1	2.0	3.1	3.5
132.5°	2.4	2.2	1.6	1.3	1.1	0.9	1.1	0.9	1.6	2.9	3.1
135°	1.8	1.8	1.6	1.1	1.1	0.7	0.9	0.9	1.3	2.2	2.4
137.5°	1.6	1.6	1.3	1.1	1.1	0.7	0.9	0.7	1.1	1.8	2.0
140°	1.6	1.6	1.3	1.1	0.9	0.7	0.7	0.7	0.9	1.6	1.6
142.5°	1.6	1.6	1.3	1.1	0.9	0.7	0.7	0.7	0.9	1.3	1.6
145°	1.6	1.6	1.6	1.3	0.9	0.7	0.7	0.7	0.9	1.3	1.3
147.5°	1.8	1.8	1.6	1.1	0.9	0.4	0.4	0.7	0.9	1.3	1.3
150°	1.8	1.8	1.6	1.1	0.9	0.4	0.2	0.4	0.7	1.1	1.3
152.5°	1.6	1.6	1.3	1.1	0.7	0.4	0.2	0.4	0.7	1.1	1.1
155°	1.3	1.3	1.1	0.9	0.7	0.2	0.0	0.2	0.4	0.9	0.9
157.5°	0.9	1.1	0.9	0.7	0.4	0.2	0.0	0.2	0.2	0.7	0.7
160°	0.9	0.9	0.9	0.7	0.4	0.2	0.0	0.0	0.2	0.4	0.4
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)