

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: P414403

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414403
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-PA1-20-827-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 1890 lumens
Efficiency: N/A
Efficacy: 90.0 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 - U2 - G2

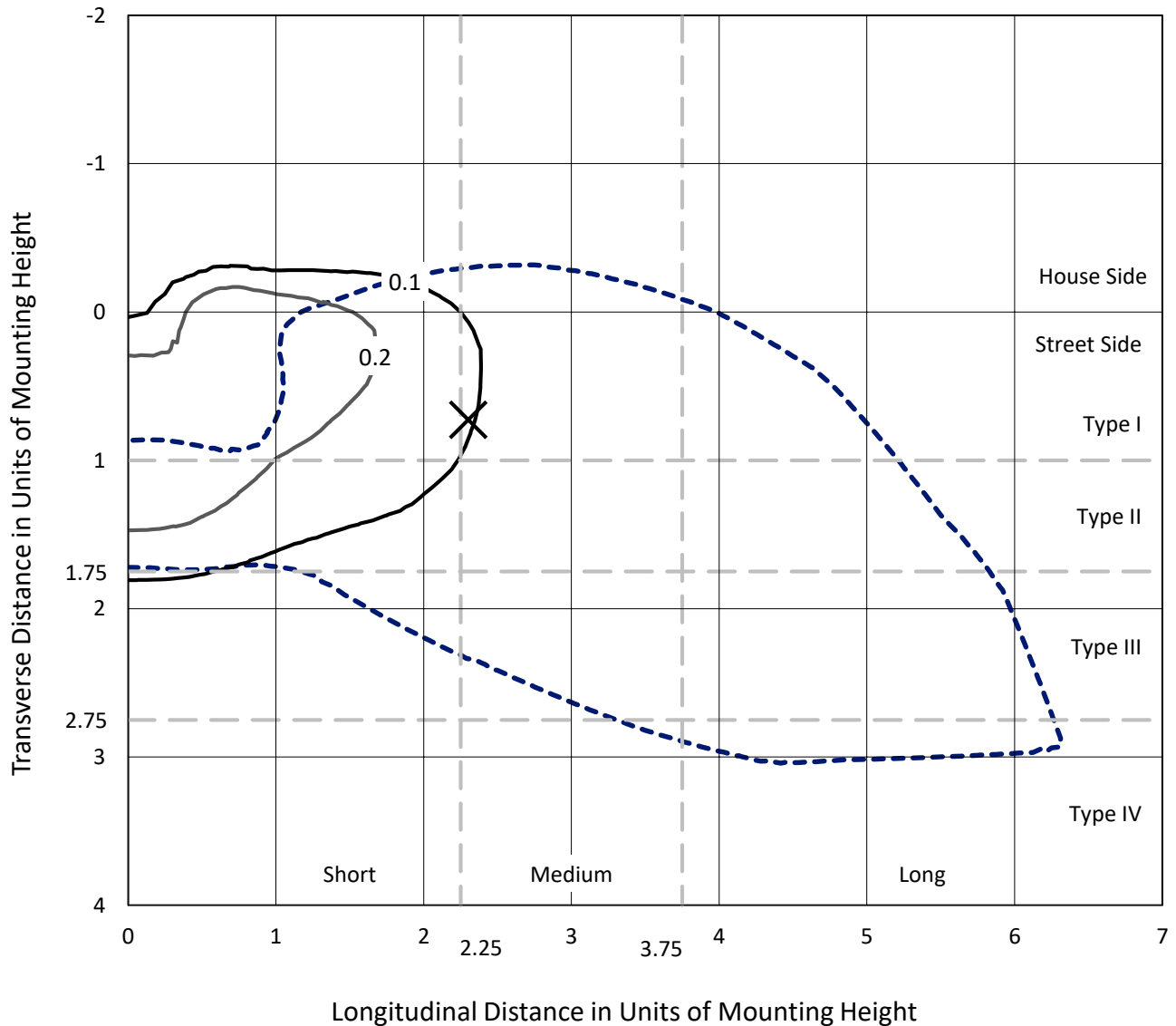
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

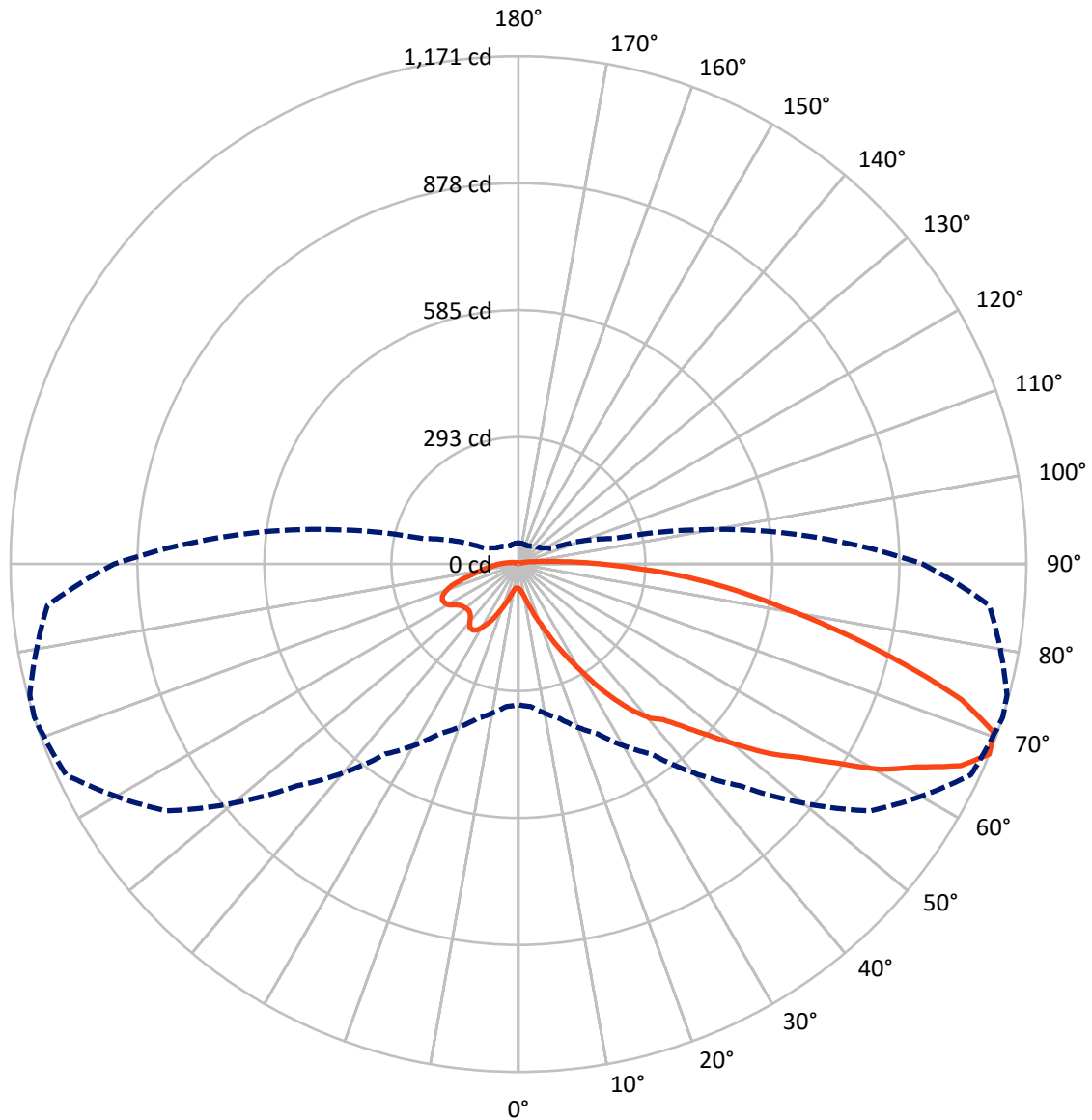
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type 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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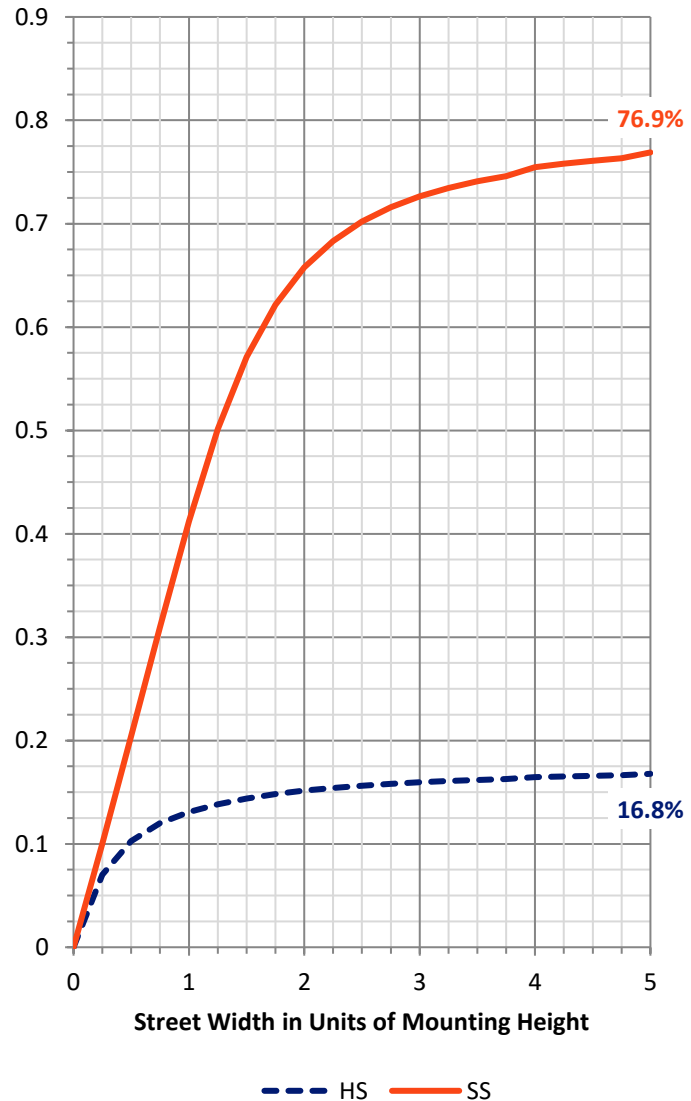
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	330.7	29.1	359.8
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	1489.1	41.1	1530.2
	% Fixture	78.8	2.2	81.0
Total	Lumens	1819.8	70.2	1890.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.3
10°-20°	25.5	1.3
20°-30°	70.7	3.7
30°-40°	152.0	8.0
40°-50°	257.3	13.6
50°-60°	377.4	20.0
60°-70°	450.1	23.8
70°-80°	336.2	17.8
80°-90°	144.8	7.7
90°-100°	42.0	2.2
100°-110°	13.7	0.7
110°-120°	6.4	0.3
120°-130°	3.9	0.2
130°-140°	2.5	0.1
140°-150°	1.1	0.1
150°-160°	0.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	1819.8	96.3
0°-180°	1890.0	100.0

Coefficient of Utilization



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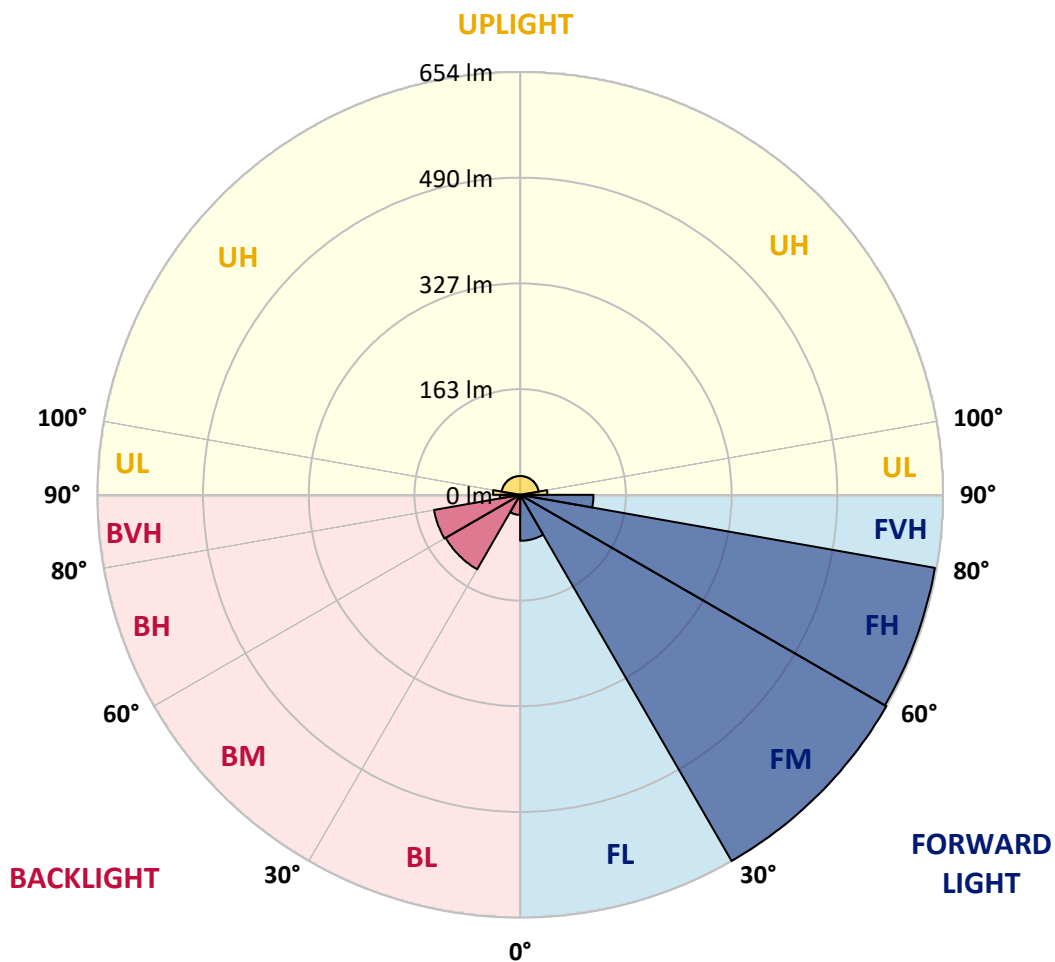
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.1	3.8			
FM	(30°-60°)	653.7	34.6			
FH	(60°-80°)	651.1	34.4			G0/660
FVH	(80°-90°)	113.2	6.0			G2/225
BL	(0°-30°)	31.0	1.6	B0/110		
BM	(30°-60°)	133.0	7.0	B0/220		
BH	(60°-80°)	135.2	7.2	B1/500		G1/500
BVH	(80°-90°)	31.5	1.7			G1/100
UL	(90°-100°)	42.0	2.2		U2/50	
UH	(100°-180°)	29.1	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°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2.5°	62.0	62.5	62.9	62.7	62.5	61.8	60.7	59.6	58.5	58.5	57.6
5°	70.9	70.7	70.5	70.7	69.6	68.0	66.3	64.3	62.7	62.3	60.1
7.5°	81.1	80.7	81.1	79.8	78.2	76.2	73.6	70.9	68.3	67.8	64.3
10°	93.3	92.8	92.6	91.5	88.6	85.8	83.1	78.9	76.9	76.2	71.6
12.5°	108.6	108.4	107.0	104.8	101.0	98.2	94.4	92.2	90.2	88.6	84.0
15°	126.1	126.5	125.0	120.3	115.7	111.2	109.5	107.7	106.1	105.5	101.5
17.5°	150.7	149.8	146.3	139.2	131.6	128.1	126.5	125.4	127.0	126.5	120.3
20°	181.0	178.8	173.3	161.1	151.8	146.0	144.7	146.7	147.6	149.8	145.6
22.5°	216.7	213.8	204.5	190.8	177.3	166.4	165.1	171.1	176.6	177.3	175.5
25°	251.5	248.8	240.6	222.7	204.5	190.1	187.0	200.3	211.4	213.4	215.8
27.5°	287.2	285.9	273.9	254.4	234.4	216.3	215.8	230.2	247.5	252.2	256.4
30°	327.7	330.8	315.8	291.2	266.1	245.1	244.0	265.2	286.5	296.5	303.6
32.5°	384.9	382.2	363.4	335.9	298.7	274.1	275.7	300.5	336.4	344.8	354.1
35°	450.5	451.4	425.7	382.9	339.0	308.7	307.6	342.1	383.8	390.9	406.4
37.5°	504.3	508.8	489.7	440.5	384.2	345.0	346.6	385.3	429.2	443.4	456.9
40°	562.2	566.2	544.0	496.1	433.4	385.1	387.3	425.0	466.9	478.4	481.7
42.5°	625.3	629.3	602.5	545.8	474.9	433.4	424.8	453.6	490.2	504.6	507.4
45°	684.5	691.4	664.3	597.6	521.2	476.9	463.8	487.1	534.9	548.2	551.3
47.5°	702.7	710.9	699.1	644.6	565.5	514.3	505.7	538.0	589.7	609.4	605.4
50°	720.2	727.7	720.6	672.3	602.3	557.7	559.7	597.4	655.9	681.2	678.1
52.5°	722.8	730.6	723.3	689.4	633.8	601.6	623.8	668.3	726.4	744.8	740.3
55°	727.3	732.4	725.7	687.4	656.6	648.4	690.3	741.0	787.1	809.0	801.7
57.5°	665.7	667.7	691.8	681.6	661.5	700.2	765.2	811.0	865.3	898.1	894.3
60°	577.0	581.2	611.1	634.6	658.1	737.2	838.7	908.1	961.3	982.8	962.4
62.5°	504.1	508.8	540.2	570.4	630.0	753.6	915.6	994.9	1030.0	1049.5	1025.3
65°	406.2	409.7	448.1	507.2	584.1	747.2	973.2	1085.4	1120.6	1128.3	1081.6
67.5°	324.6	329.9	368.9	432.1	534.9	722.8	992.1	1150.5	1170.9	1166.2	1089.8
70°	241.5	244.2	291.8	372.1	476.6	669.6	974.1	1165.1	1162.0	1156.0	1051.2
72.5°	166.4	166.0	210.7	289.0	415.9	608.9	890.6	1082.5	1067.8	1052.3	919.6
75°	107.5	113.5	141.4	210.1	336.4	521.2	782.4	940.0	915.2	890.6	757.6
77.5°	72.5	76.7	99.3	150.5	257.0	438.3	673.4	807.3	765.8	743.4	611.6
80°	49.9	51.6	68.9	110.6	191.2	347.7	551.5	668.1	622.9	596.3	474.6
82.5°	35.0	36.3	48.1	81.5	144.0	259.7	440.3	555.8	508.3	489.1	368.7
85°	25.3	26.1	34.6	60.7	109.5	195.0	335.0	432.3	391.1	376.3	263.5
87.5°	18.8	19.7	26.1	45.0	84.2	148.2	250.0	309.6	265.2	246.0	166.4
90°	14.0	14.8	20.2	33.7	65.8	111.7	181.0	211.6	172.2	156.0	106.1
92.5°	10.4	11.1	15.1	24.6	50.3	85.5	127.6	133.8	101.9	92.8	66.9
95°	7.8	8.2	11.3	17.9	35.9	62.3	83.5	78.2	60.1	54.5	42.3
97.5°	6.4	6.6	8.9	13.7	25.3	43.7	53.6	48.1	38.8	36.1	29.3
100°	5.3	5.5	7.1	10.4	18.4	29.9	35.5	31.2	27.0	25.9	22.8
102.5°	4.7	4.9	6.0	8.6	13.7	21.5	24.6	22.4	19.9	19.1	17.7
105°	4.2	4.2	5.3	7.3	11.3	16.2	17.9	16.4	14.8	14.4	14.2
107.5°	3.8	3.8	4.7	6.4	9.3	12.6	13.5	12.2	10.9	10.6	11.3
110°	3.5	3.5	4.2	5.8	8.0	10.4	10.6	9.1	8.2	8.2	9.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	3.3	3.3	4.0	5.1	7.1	8.6	8.4	7.1	6.4	6.4	7.5
115°	3.3	3.3	3.8	4.9	6.2	7.3	6.9	5.8	5.3	5.3	6.4
117.5°	3.3	3.5	3.8	4.7	5.8	6.4	6.0	4.9	4.7	4.7	5.8
120°	3.5	3.5	3.8	4.7	5.3	5.5	5.1	4.2	4.0	4.2	5.3
122.5°	3.5	3.5	4.0	4.7	5.1	5.1	4.4	3.8	3.8	3.8	4.9
125°	3.8	3.8	4.0	4.7	4.9	4.7	4.0	3.5	3.5	3.8	4.4
127.5°	4.0	4.0	4.2	4.7	4.7	4.2	3.8	3.3	3.3	3.5	4.4
130°	4.4	4.4	4.4	4.7	4.2	3.8	3.3	3.1	3.3	3.5	4.4
132.5°	4.4	4.4	4.4	4.4	4.0	3.3	3.1	2.9	3.3	3.5	4.2
135°	4.0	4.0	4.0	4.0	3.5	2.9	2.7	2.7	3.1	3.3	4.0
137.5°	3.5	3.5	3.5	3.3	3.1	2.7	2.2	2.2	2.7	2.9	3.5
140°	3.1	3.1	2.9	2.9	2.7	2.2	2.0	2.0	2.2	2.4	2.9
142.5°	2.4	2.4	2.4	2.4	2.2	1.8	1.6	1.6	2.0	2.2	2.4
145°	2.0	2.0	2.0	2.0	1.8	1.6	1.3	1.3	1.6	1.8	2.0
147.5°	1.6	1.6	1.8	1.8	1.6	1.3	0.9	1.1	1.3	1.3	1.6
150°	1.3	1.3	1.3	1.6	1.1	0.9	0.7	0.9	1.1	1.1	1.3
152.5°	1.1	1.1	1.1	1.1	0.9	0.4	0.7	0.9	0.9	1.1	1.1
155°	0.7	0.7	0.9	0.9	0.7	0.4	0.7	0.7	0.9	0.9	1.1
157.5°	0.4	0.4	0.7	0.7	0.7	0.4	0.4	0.7	0.7	0.7	0.9
160°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
162.5°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
165°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
167.5°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
170°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
172.5°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
175°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
177.5°	0.0	0.2	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2.5°	56.9	56.5	55.6	54.7	53.8	53.0	52.7	52.3	52.1	51.9	52.1
5°	59.2	57.8	55.8	53.8	52.1	50.5	49.4	48.3	47.4	47.0	47.0
7.5°	63.2	60.9	57.6	54.3	51.2	48.5	46.8	45.2	44.1	43.7	43.4
10°	69.4	66.7	61.8	56.5	51.9	47.9	45.2	43.4	42.3	41.7	41.7
12.5°	80.2	77.1	69.4	61.2	53.6	48.1	44.5	42.8	41.7	41.4	41.7
15°	97.3	92.4	81.1	69.4	57.8	48.5	44.1	43.4	43.9	44.1	44.1
17.5°	117.2	110.6	96.2	78.4	62.5	50.5	45.9	45.4	46.1	46.8	47.2
20°	139.6	131.0	110.1	87.1	65.6	53.4	47.6	46.8	48.3	49.6	49.4
22.5°	168.0	157.6	127.9	93.7	67.8	54.1	48.3	47.4	50.1	51.6	52.1
25°	205.2	190.3	148.7	100.8	69.1	53.2	47.9	48.1	52.1	55.2	55.8
27.5°	245.7	224.3	168.0	106.6	69.1	51.0	47.2	49.9	55.4	59.4	59.8
30°	290.1	260.1	184.8	111.0	67.1	48.8	46.5	50.7	56.3	60.5	60.9
32.5°	337.3	297.4	202.3	112.6	64.3	47.0	45.9	50.1	54.7	58.5	59.4
35°	379.1	330.6	209.2	110.4	60.3	45.6	44.3	47.9	52.5	57.2	57.4
37.5°	422.8	362.3	212.3	104.1	56.3	44.3	43.0	46.3	51.9	57.4	58.1
40°	441.4	370.5	203.4	95.5	52.5	43.4	42.3	46.1	52.1	57.6	58.5
42.5°	460.5	378.5	192.6	83.1	50.1	43.2	43.0	46.1	51.0	55.4	56.1
45°	493.0	396.2	187.7	74.7	48.8	43.9	43.7	45.4	49.0	53.0	54.3
47.5°	539.6	423.0	185.3	69.4	48.8	45.0	44.3	44.8	47.0	50.5	51.6
50°	599.2	460.2	188.4	66.5	49.9	46.5	45.2	44.5	45.4	49.2	50.5
52.5°	649.3	495.9	192.1	66.0	51.6	48.5	46.5	44.5	45.2	49.6	51.2
55°	701.8	529.8	196.3	67.1	53.8	50.1	47.4	45.0	45.4	49.6	51.4
57.5°	778.0	587.4	207.2	69.6	56.1	51.9	48.5	45.6	45.2	48.5	49.9
60°	847.6	642.4	223.4	74.2	58.7	53.6	49.6	46.1	45.0	47.2	48.1
62.5°	889.7	672.1	229.6	78.7	61.4	55.2	50.1	46.1	45.6	47.6	48.3
65°	933.1	700.5	232.0	82.2	62.9	56.1	50.1	46.5	46.5	47.9	48.1
67.5°	931.6	694.2	226.2	84.0	64.3	56.5	50.1	46.5	47.0	48.3	48.5
70°	890.8	658.6	211.8	83.8	64.0	55.8	49.2	46.3	48.1	49.6	49.9
72.5°	771.1	566.2	188.6	81.1	62.0	54.1	47.9	45.9	48.5	50.7	50.7
75°	632.6	461.1	155.8	76.0	59.6	51.9	45.9	44.3	47.6	50.7	50.7
77.5°	498.4	361.0	126.3	69.4	56.1	49.2	43.4	41.7	45.4	48.3	48.1
80°	387.1	273.7	101.5	62.7	52.1	46.3	40.6	38.6	41.9	43.9	43.4
82.5°	296.9	210.7	83.8	56.5	48.1	43.0	37.7	35.9	39.0	40.3	39.9
85°	202.8	150.9	68.7	49.6	43.0	39.0	34.8	33.5	37.0	38.6	38.1
87.5°	133.8	103.7	57.4	43.7	37.9	35.0	31.5	31.0	35.0	36.6	36.3
90°	88.4	72.5	48.8	37.9	33.0	30.6	28.4	28.4	31.9	33.2	32.4
92.5°	58.3	51.4	38.6	32.1	28.1	26.6	25.3	25.0	28.1	28.6	27.9
95°	39.7	36.1	30.1	26.6	23.7	22.8	21.7	22.2	24.2	23.7	23.0
97.5°	28.4	27.5	24.4	21.7	19.7	19.5	19.1	19.3	20.4	19.5	19.1
100°	22.6	21.9	20.2	18.2	16.8	16.6	16.4	16.6	17.3	16.4	16.0
102.5°	18.2	18.2	16.8	15.3	14.2	14.4	14.4	14.4	14.6	13.3	13.3
105°	14.6	14.6	14.2	12.9	12.2	12.2	12.4	12.4	12.4	11.5	11.5
107.5°	11.7	12.2	12.0	10.9	10.4	10.6	10.6	10.4	10.4	10.0	10.0
110°	9.5	10.0	10.0	9.3	9.1	9.3	9.1	8.9	8.6	8.6	8.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	8.4	8.6	8.2	8.0	8.0	7.8	7.5	7.5	7.8	7.8
115°	6.9	7.3	7.5	7.1	7.1	7.1	6.6	6.4	6.4	6.9	6.9
117.5°	6.2	6.4	6.6	6.4	6.2	6.2	6.0	5.5	5.5	6.0	6.2
120°	5.5	5.8	6.0	5.8	5.5	5.3	5.1	4.9	4.9	5.5	5.5
122.5°	5.1	5.3	5.3	5.1	4.9	4.9	4.7	4.4	4.4	4.9	5.1
125°	4.9	4.9	4.9	4.7	4.4	4.2	4.0	4.0	4.0	4.4	4.4
127.5°	4.7	4.7	4.4	4.2	4.0	3.8	3.8	3.5	3.5	4.0	4.2
130°	4.7	4.7	4.2	4.0	3.8	3.3	3.3	3.1	3.3	3.8	3.8
132.5°	4.4	4.4	4.0	3.8	3.3	3.1	2.9	2.9	2.9	3.3	3.5
135°	4.2	4.0	3.5	3.3	2.9	2.7	2.7	2.7	2.7	3.1	3.1
137.5°	3.8	3.5	3.1	2.9	2.7	2.4	2.2	2.2	2.4	2.7	2.9
140°	3.1	3.1	2.7	2.4	2.2	2.0	2.0	2.0	2.2	2.4	2.4
142.5°	2.7	2.7	2.2	2.0	1.8	1.6	1.8	1.8	2.0	2.2	2.2
145°	2.2	2.0	2.0	1.6	1.6	1.3	1.3	1.6	1.8	2.0	2.0
147.5°	1.8	1.8	1.6	1.3	1.1	1.1	1.1	1.3	1.6	1.6	1.8
150°	1.6	1.6	1.3	1.3	0.9	0.7	0.9	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.1	0.9	0.4	0.7	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	0.9	0.7	0.2	0.7	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.4	0.2	0.4	0.7	0.7	0.7	0.9
160°	0.7	0.7	0.7	0.7	0.4	0.2	0.4	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.7	0.4	0.4	0.4
165°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.4	0.4
167.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.2	0.2
170°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.2	0.2
172.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.2	0.2
175°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.2	0.2
177.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.2	0.2
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)