

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: P414409

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414409
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-PA1-20-827-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 1884 lumens
Efficiency: N/A
Efficacy: 89.7 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

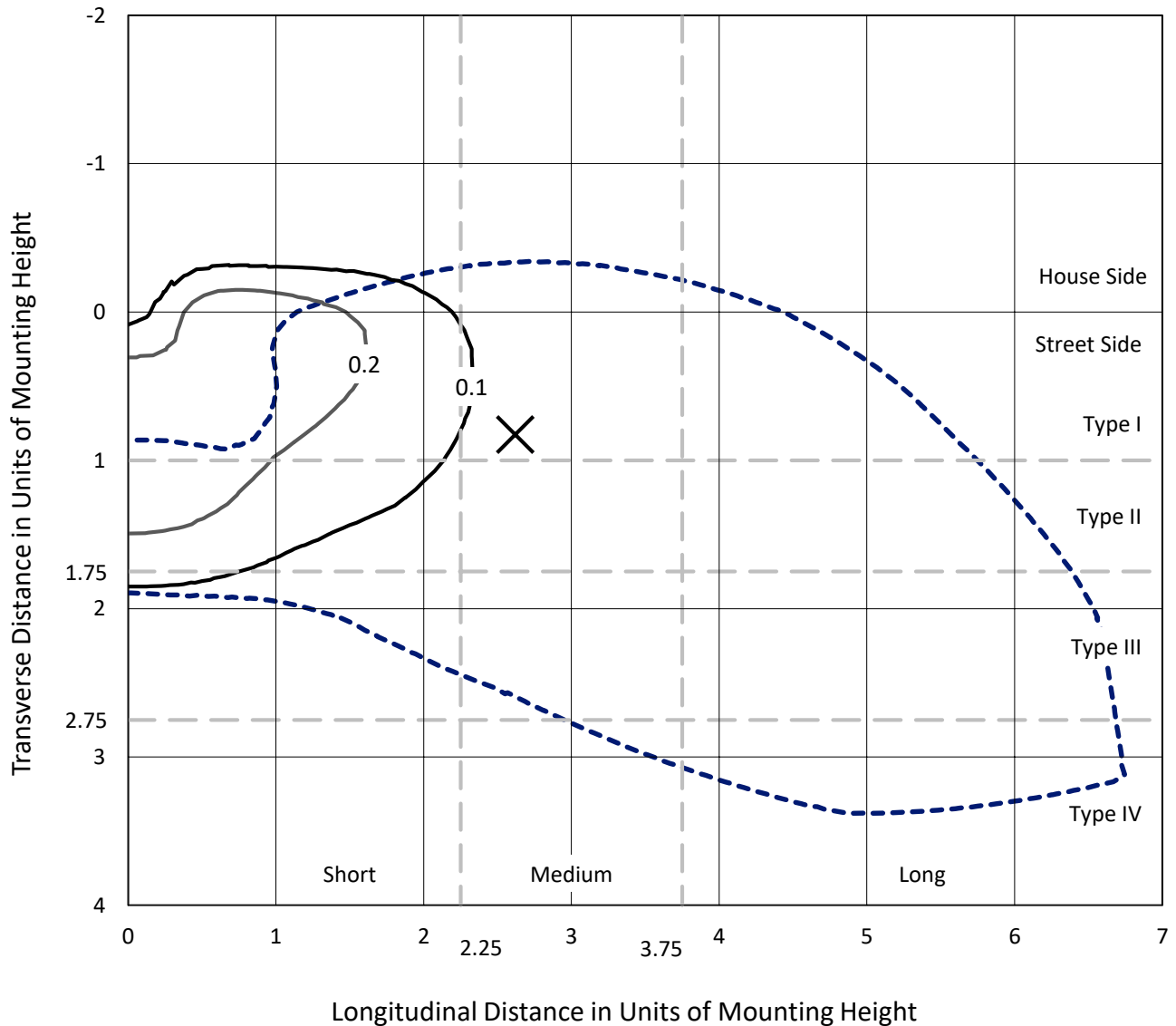
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

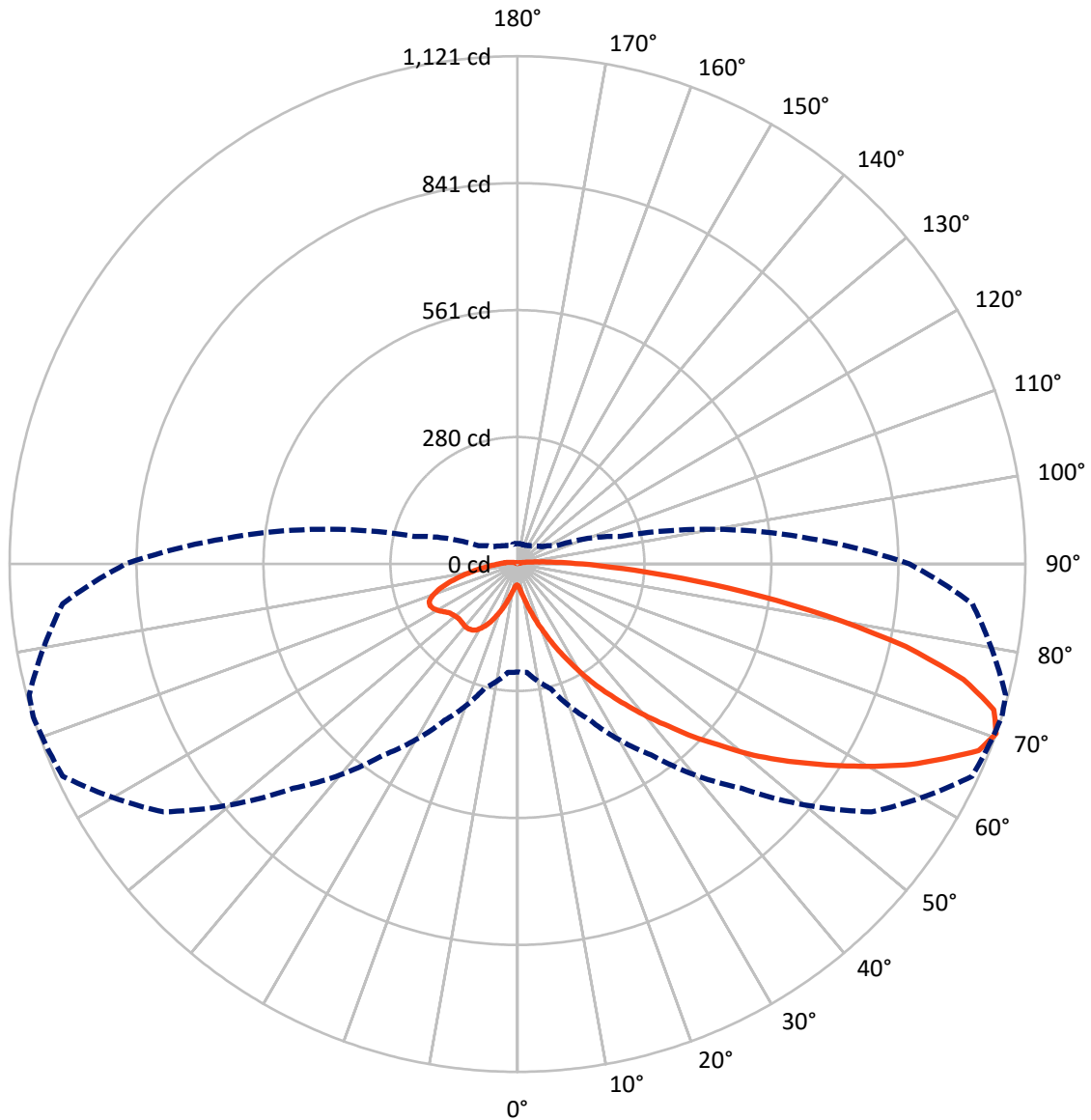
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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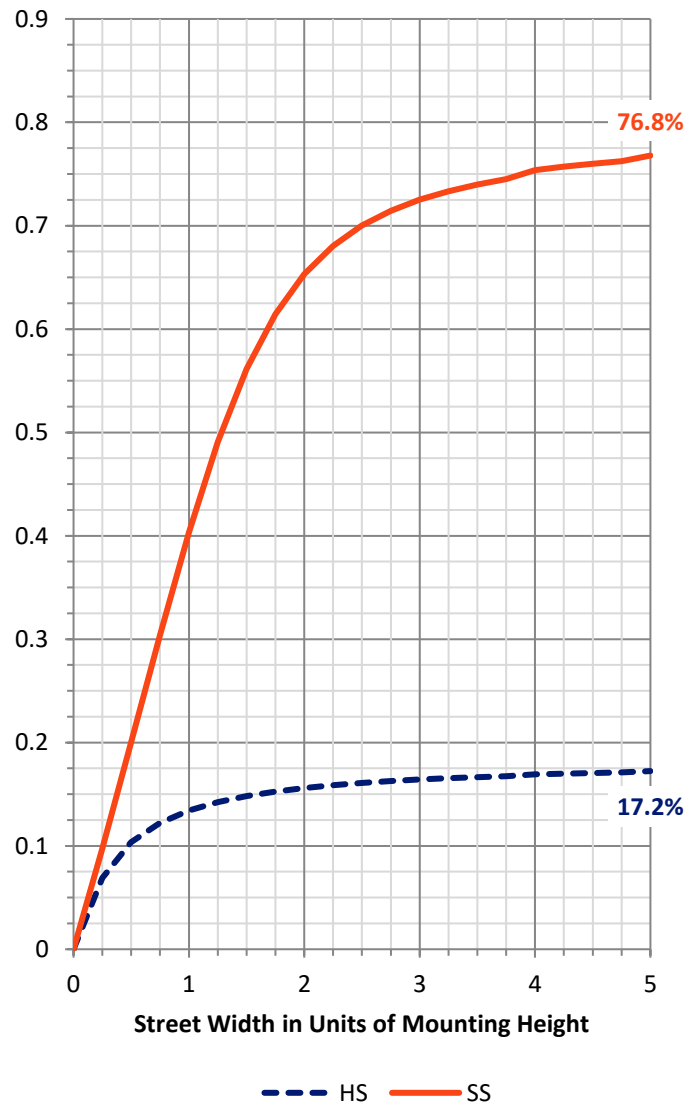
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.7	30.7	369.4
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	1479.1	35.5	1514.6
	% Fixture	78.5	1.9	80.4
Total	Lumens	1817.8	66.2	1884.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.3
10°-20°	25.5	1.4
20°-30°	71.2	3.8
30°-40°	147.6	7.8
40°-50°	254.9	13.5
50°-60°	376.4	20.0
60°-70°	444.3	23.6
70°-80°	352.6	18.7
80°-90°	140.2	7.4
90°-100°	37.0	2.0
100°-110°	14.3	0.8
110°-120°	7.0	0.4
120°-130°	3.9	0.2
130°-140°	2.3	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°	1817.8	96.5
0°-180°	1884.0	100.0



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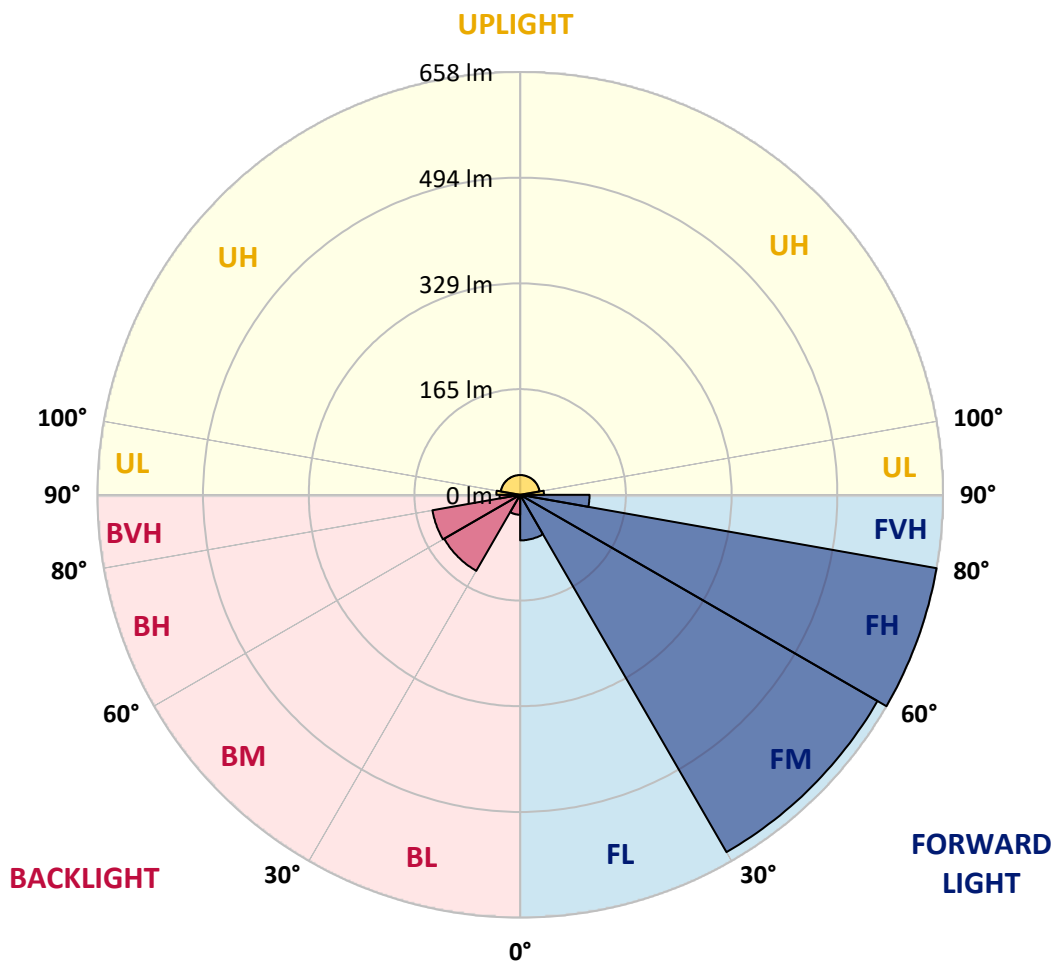
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.9	3.8			
FM	(30°-60°)	642.2	34.1			
FH	(60°-80°)	658.1	34.9			G0/660
FVH	(80°-90°)	107.9	5.7			G2/225
BL	(0°-30°)	31.1	1.6	B0/110		
BM	(30°-60°)	136.7	7.3	B0/220		
BH	(60°-80°)	138.7	7.4	B1/500		G1/500
BVH	(80°-90°)	32.2	1.7			G1/100
UL	(90°-100°)	37.0	2.0		U2/50	
UH	(100°-180°)	30.7	1.6		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°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
2.5°	52.9	53.2	52.9	52.9	52.5	52.3	51.0	50.1	49.4	49.0	48.3
5°	61.4	61.8	61.6	61.6	60.5	59.8	58.3	56.5	55.2	54.9	52.9
7.5°	72.7	72.4	71.6	71.3	70.9	69.8	67.6	64.9	63.6	63.1	60.3
10°	86.6	85.5	86.0	84.4	83.5	81.7	79.7	77.8	75.1	75.1	71.1
12.5°	100.6	103.0	102.3	100.1	98.4	95.5	93.0	92.4	89.3	89.7	86.0
15°	123.4	123.2	121.2	119.6	116.1	112.5	110.3	108.8	107.9	107.2	103.0
17.5°	147.5	146.2	144.7	140.0	134.9	131.8	129.8	128.3	129.4	129.1	124.1
20°	175.4	173.9	171.7	163.3	156.6	151.7	150.6	152.4	153.1	154.8	149.7
22.5°	206.5	205.8	200.5	191.0	179.7	173.2	172.1	176.3	181.4	182.3	178.8
25°	243.7	242.8	235.5	221.7	206.9	197.2	197.2	203.8	212.2	214.2	212.4
27.5°	283.5	281.3	271.8	255.0	234.6	222.0	220.4	232.4	244.1	249.9	247.7
30°	329.4	329.0	313.2	292.6	268.3	248.1	247.4	264.9	281.6	284.2	284.7
32.5°	376.6	380.4	362.2	331.4	301.9	278.2	277.1	296.8	319.9	324.5	324.5
35°	431.1	431.3	408.9	378.4	338.0	311.0	307.9	331.4	357.1	363.5	367.1
37.5°	486.0	484.7	464.5	422.4	377.3	344.7	341.8	369.5	398.7	409.2	408.5
40°	540.1	543.8	518.4	471.8	417.3	384.3	377.3	409.8	443.5	455.2	450.6
42.5°	598.3	597.4	574.6	522.8	462.1	422.7	418.5	452.1	489.6	502.9	498.6
45°	649.3	648.8	624.0	572.2	504.8	467.0	461.2	496.9	543.8	556.2	547.6
47.5°	696.2	695.1	669.4	616.7	542.3	509.3	509.7	546.3	596.1	616.5	603.2
50°	732.6	728.8	712.6	655.7	582.8	553.8	562.2	605.2	658.4	676.7	662.4
52.5°	752.1	746.3	733.7	683.0	621.1	597.9	614.1	665.0	717.5	735.0	719.3
55°	742.8	742.8	735.7	699.6	648.4	638.2	670.8	722.2	776.9	796.1	782.2
57.5°	705.3	711.1	714.4	695.1	667.2	678.1	729.7	787.3	839.8	861.1	842.7
60°	639.8	641.3	665.7	671.2	674.8	712.0	790.8	859.5	906.7	923.5	902.7
62.5°	546.9	554.2	583.9	624.9	663.7	740.1	855.1	932.2	974.7	986.0	955.6
65°	443.7	441.9	496.9	558.2	633.1	748.3	906.9	1002.6	1035.6	1050.7	998.0
67.5°	336.5	335.4	386.1	476.1	581.3	739.7	949.0	1062.4	1098.7	1099.2	1024.5
70°	238.6	240.4	285.3	380.8	514.4	700.2	954.1	1108.1	1121.3	1116.0	1008.4
72.5°	161.9	163.3	206.0	291.7	425.8	636.4	911.6	1103.2	1100.1	1085.2	941.9
75°	104.3	113.2	144.9	221.7	344.7	544.5	828.9	1033.4	1017.2	992.6	826.5
77.5°	72.0	76.4	100.8	161.5	269.4	449.7	711.7	893.2	876.3	846.2	666.3
80°	48.7	50.7	69.3	120.7	212.0	353.5	579.9	719.1	690.0	659.0	499.8
82.5°	32.6	36.3	49.8	86.6	160.4	272.9	441.1	549.2	503.1	476.3	351.1
85°	21.7	23.7	35.4	62.9	116.1	198.7	317.4	373.0	332.5	308.8	224.4
87.5°	14.6	16.4	25.3	45.0	86.0	144.4	212.7	241.0	208.5	193.6	135.8
90°	9.7	10.9	18.6	32.3	60.7	100.8	143.5	148.9	127.8	118.7	83.1
92.5°	6.9	8.0	14.0	23.9	42.5	70.0	92.2	90.2	75.3	70.9	53.6
95°	5.3	6.2	10.9	18.4	31.0	48.1	60.0	54.9	47.6	46.1	37.0
97.5°	4.7	5.1	9.1	14.8	23.5	34.1	39.0	37.2	32.1	31.2	27.0
100°	4.2	4.7	8.0	12.8	18.8	25.0	27.9	25.9	23.3	22.6	19.9
102.5°	4.0	4.2	7.1	11.1	15.5	19.7	21.5	19.3	17.3	17.1	15.3
105°	3.8	4.0	6.2	9.5	13.1	16.2	16.8	15.1	13.5	12.8	11.5
107.5°	3.5	3.5	5.5	8.4	11.3	13.5	14.0	12.2	10.4	10.0	9.1
110°	3.3	3.5	5.1	7.5	10.0	11.7	11.7	10.0	8.2	7.8	7.3



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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	4.7	6.6	8.9	10.2	10.0	8.2	6.6	6.0	6.0
115°	3.1	3.3	4.4	6.2	8.0	8.9	8.4	6.9	5.3	4.9	5.1
117.5°	3.1	3.3	4.0	5.5	7.1	7.8	7.3	5.8	4.4	4.2	4.7
120°	3.1	3.3	4.0	5.1	6.2	6.9	6.4	4.9	4.0	3.8	4.2
122.5°	3.3	3.3	3.8	4.7	5.8	6.2	5.5	4.2	3.5	3.3	3.8
125°	3.3	3.3	3.8	4.4	5.3	5.5	4.9	3.8	3.1	3.1	3.5
127.5°	3.3	3.3	3.8	4.2	4.9	4.9	4.4	3.3	2.9	2.9	3.3
130°	3.3	3.3	3.5	4.0	4.4	4.4	3.8	2.9	2.7	2.7	3.1
132.5°	3.5	3.5	3.5	3.8	4.0	4.0	3.3	2.7	2.4	2.4	3.1
135°	3.3	3.3	3.3	3.5	3.5	3.5	2.9	2.4	2.2	2.4	2.9
137.5°	3.1	3.1	3.3	3.3	3.3	3.1	2.4	2.0	2.0	2.2	2.7
140°	3.1	2.9	3.1	3.1	2.9	2.7	2.2	1.8	1.8	2.0	2.2
142.5°	2.7	2.7	2.7	2.7	2.4	2.2	1.8	1.6	1.8	1.8	2.0
145°	2.4	2.4	2.4	2.2	2.2	1.8	1.3	1.3	1.3	1.6	1.8
147.5°	2.0	2.0	2.0	2.0	1.8	1.6	0.9	1.1	1.1	1.1	1.3
150°	1.6	1.6	1.8	1.6	1.3	1.1	0.7	0.9	1.1	1.1	1.1
152.5°	1.3	1.3	1.3	1.3	1.1	0.7	0.7	0.9	0.9	0.9	1.1
155°	0.9	0.9	0.9	0.9	0.7	0.4	0.7	0.7	0.9	0.9	0.9
157.5°	0.4	0.4	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7	0.7
160°	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
162.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
165°	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
167.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
170°	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
172.5°	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
175°	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
177.5°	0.0	0.2	0.4	0.4	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°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
2.5°	47.8	47.4	46.5	45.6	45.0	44.3	43.9	43.2	42.8	42.8	42.8
5°	51.6	51.2	49.0	46.7	44.7	43.0	41.6	40.1	39.4	38.8	39.0
7.5°	59.1	57.6	54.1	50.3	47.0	43.4	40.8	38.5	37.2	36.3	36.3
10°	69.3	66.9	61.6	55.8	50.3	45.2	41.2	38.1	35.9	35.0	35.0
12.5°	82.4	80.0	71.8	63.1	54.7	47.4	42.3	38.3	35.9	34.8	34.8
15°	99.9	95.7	84.6	72.2	60.0	50.1	43.4	40.1	38.5	37.9	37.9
17.5°	120.7	114.5	100.1	81.5	65.3	52.7	46.3	43.2	41.9	41.6	41.6
20°	145.1	137.3	115.6	90.8	69.6	56.0	48.7	46.1	45.6	45.9	45.9
22.5°	172.8	161.5	131.6	99.2	73.5	58.0	50.5	48.3	48.7	49.8	49.6
25°	202.0	190.1	149.1	106.8	76.2	58.9	51.6	50.3	52.1	53.4	53.4
27.5°	236.1	217.5	165.0	112.1	76.9	58.3	51.8	51.2	53.6	55.6	56.0
30°	270.9	247.0	178.8	115.4	75.5	56.7	51.0	51.4	54.3	56.9	57.2
32.5°	306.1	274.9	190.1	116.1	73.3	54.7	50.1	51.0	54.1	56.9	57.4
35°	341.1	301.0	197.6	113.6	69.8	52.7	48.5	50.1	53.2	56.5	56.9
37.5°	375.5	325.9	202.2	109.7	66.2	51.0	47.4	49.0	52.1	55.8	56.3
40°	412.9	352.4	204.9	105.0	62.7	49.4	46.7	48.3	51.4	54.9	55.6
42.5°	447.3	376.8	205.1	99.2	60.0	48.7	46.3	47.6	50.5	54.3	54.9
45°	492.0	401.8	205.1	94.4	58.3	48.5	46.3	47.4	50.1	54.1	54.9
47.5°	534.3	430.6	205.6	90.2	57.4	49.0	46.7	47.2	49.4	54.1	54.9
50°	583.5	458.3	209.1	87.1	57.2	49.8	47.4	47.0	48.7	53.6	54.7
52.5°	632.4	494.9	213.5	84.8	57.6	50.7	47.8	47.0	48.1	52.5	53.8
55°	686.1	529.7	218.4	85.1	58.5	51.6	48.5	46.7	47.2	50.7	52.1
57.5°	739.7	570.4	229.1	86.4	59.6	52.7	49.2	46.7	46.1	48.7	49.8
60°	786.6	606.3	240.1	89.3	61.1	53.8	49.6	46.5	45.2	46.7	47.6
62.5°	836.2	645.5	249.0	91.7	62.9	54.7	49.6	46.3	44.5	45.6	46.1
65°	868.6	668.8	253.6	94.8	64.7	55.4	49.8	45.9	44.3	45.0	45.4
67.5°	885.2	672.5	250.5	95.9	66.2	55.8	49.6	45.4	44.5	45.0	45.4
70°	865.5	647.5	235.7	95.3	66.7	55.8	49.2	45.0	44.5	45.2	45.4
72.5°	794.2	587.3	213.8	91.9	66.0	54.9	48.5	44.3	44.3	45.4	45.4
75°	683.8	500.6	185.0	86.8	64.2	53.6	47.2	43.2	43.6	45.2	45.2
77.5°	547.6	396.1	152.4	79.5	60.9	51.4	45.4	41.6	42.8	44.5	44.3
80°	407.6	295.1	122.7	71.3	56.5	48.3	43.0	39.9	41.4	43.0	42.5
82.5°	271.6	207.1	97.0	62.7	51.8	45.2	40.3	37.4	39.4	41.0	40.3
85°	176.3	138.0	75.1	54.1	47.0	41.6	37.0	34.8	36.8	38.1	37.4
87.5°	109.9	92.6	57.2	46.1	41.9	37.7	34.1	31.7	33.7	35.0	34.1
90°	72.7	62.0	45.0	39.9	37.2	33.9	30.6	28.8	30.8	31.2	30.6
92.5°	47.8	43.9	36.6	34.1	32.8	30.1	27.7	26.1	27.7	27.9	27.5
95°	34.3	33.2	30.1	29.7	29.0	26.8	24.8	23.5	24.4	24.6	23.7
97.5°	26.1	25.9	25.7	25.7	25.3	23.7	21.9	20.8	21.3	21.0	20.4
100°	20.4	20.8	21.5	21.9	21.7	20.6	19.3	18.4	18.6	17.7	17.1
102.5°	15.9	16.8	17.9	18.6	18.6	17.7	17.1	16.2	15.5	14.4	14.2
105°	12.6	13.3	14.8	15.9	15.9	15.5	14.8	13.7	13.1	11.7	11.7
107.5°	10.0	10.9	12.6	13.5	13.7	13.3	12.8	12.0	10.9	9.5	9.5
110°	8.0	8.6	10.6	11.5	11.7	11.5	11.1	10.0	8.9	8.0	8.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.6	7.3	8.9	9.7	10.2	10.0	9.5	8.4	7.3	6.6	6.6
115°	5.8	6.4	7.5	8.4	8.6	8.6	8.0	7.3	6.0	5.8	5.8
117.5°	5.1	5.5	6.6	7.3	7.8	7.5	6.9	6.2	5.3	5.1	5.1
120°	4.7	5.1	6.0	6.6	6.6	6.4	6.0	5.3	4.7	4.4	4.7
122.5°	4.2	4.7	5.3	5.8	5.8	5.8	5.3	4.7	4.0	4.0	4.2
125°	4.0	4.2	4.9	5.1	5.3	5.1	4.7	4.0	3.5	3.8	3.8
127.5°	3.8	4.0	4.4	4.7	4.7	4.4	4.0	3.5	3.1	3.3	3.5
130°	3.5	3.8	4.0	4.2	4.2	4.0	3.5	3.1	2.9	3.1	3.1
132.5°	3.1	3.3	3.5	3.8	3.5	3.5	3.1	2.7	2.7	2.9	2.9
135°	2.9	3.1	3.1	3.3	3.1	3.1	2.7	2.4	2.4	2.7	2.7
137.5°	2.7	2.9	2.9	2.9	2.7	2.7	2.4	2.2	2.2	2.2	2.4
140°	2.4	2.4	2.4	2.4	2.2	2.2	2.0	1.8	2.0	2.0	2.0
142.5°	2.2	2.2	2.2	2.0	2.0	1.8	1.6	1.6	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.6	1.6	1.3	1.3	1.3	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.3	1.1	1.1	1.1	1.1	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.1	0.9	0.9	0.7	0.9	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	1.1	0.9	0.4	0.7	0.9	0.9	0.9	0.9
155°	0.9	0.9	1.1	0.9	0.7	0.2	0.4	0.7	0.7	0.7	0.7
157.5°	0.9	0.9	0.9	0.7	0.4	0.2	0.4	0.4	0.7	0.4	0.7
160°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.4	0.4
162.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.2	0.2	0.2
165°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
167.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
170°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
172.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	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)