

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: P414249

Luminaire Tested: **LXF.LXT-PA1-20-740-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-740-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2507 lumens
Efficiency: N/A
Efficacy: 119.4 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 - U3 - G2

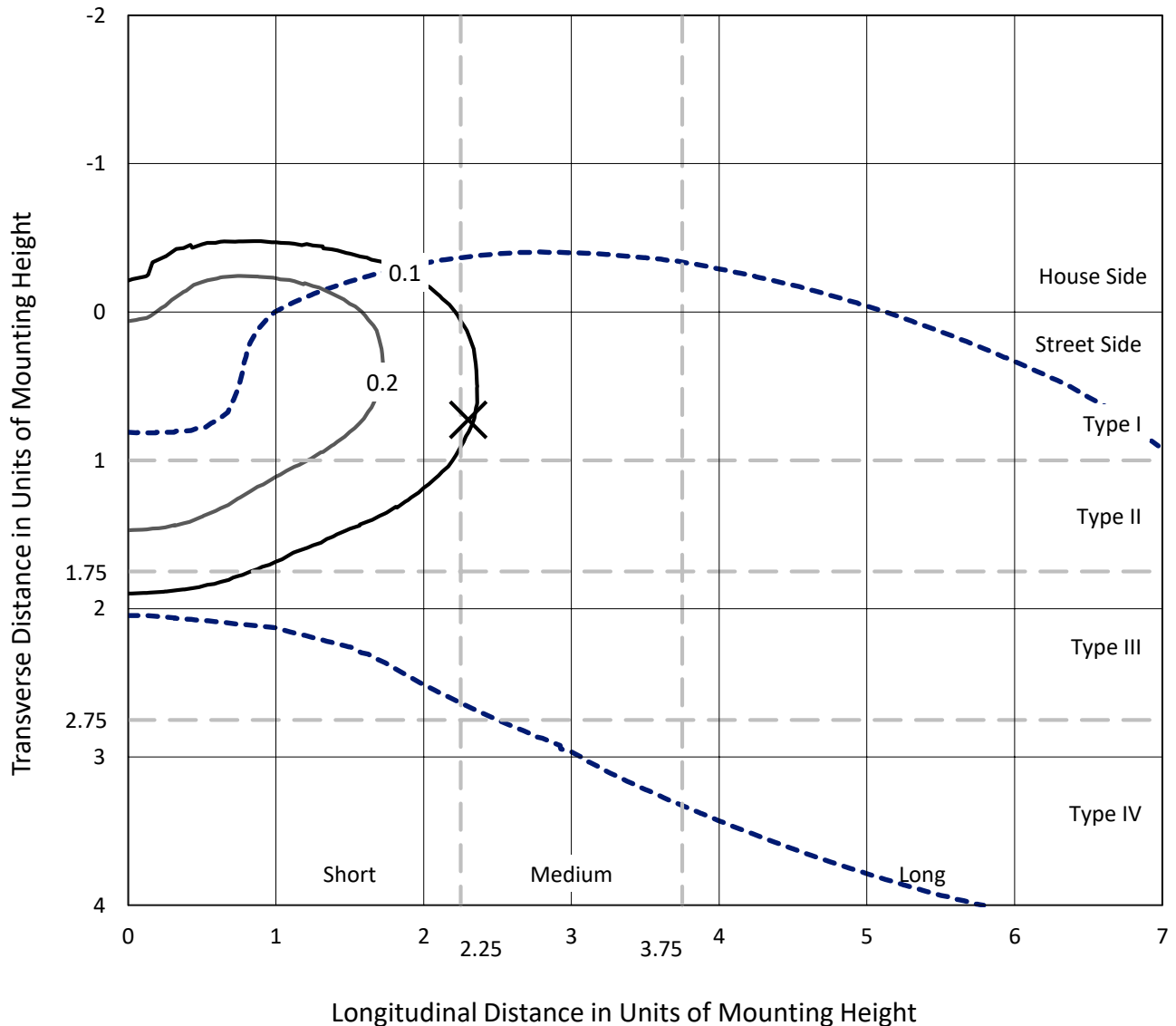
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

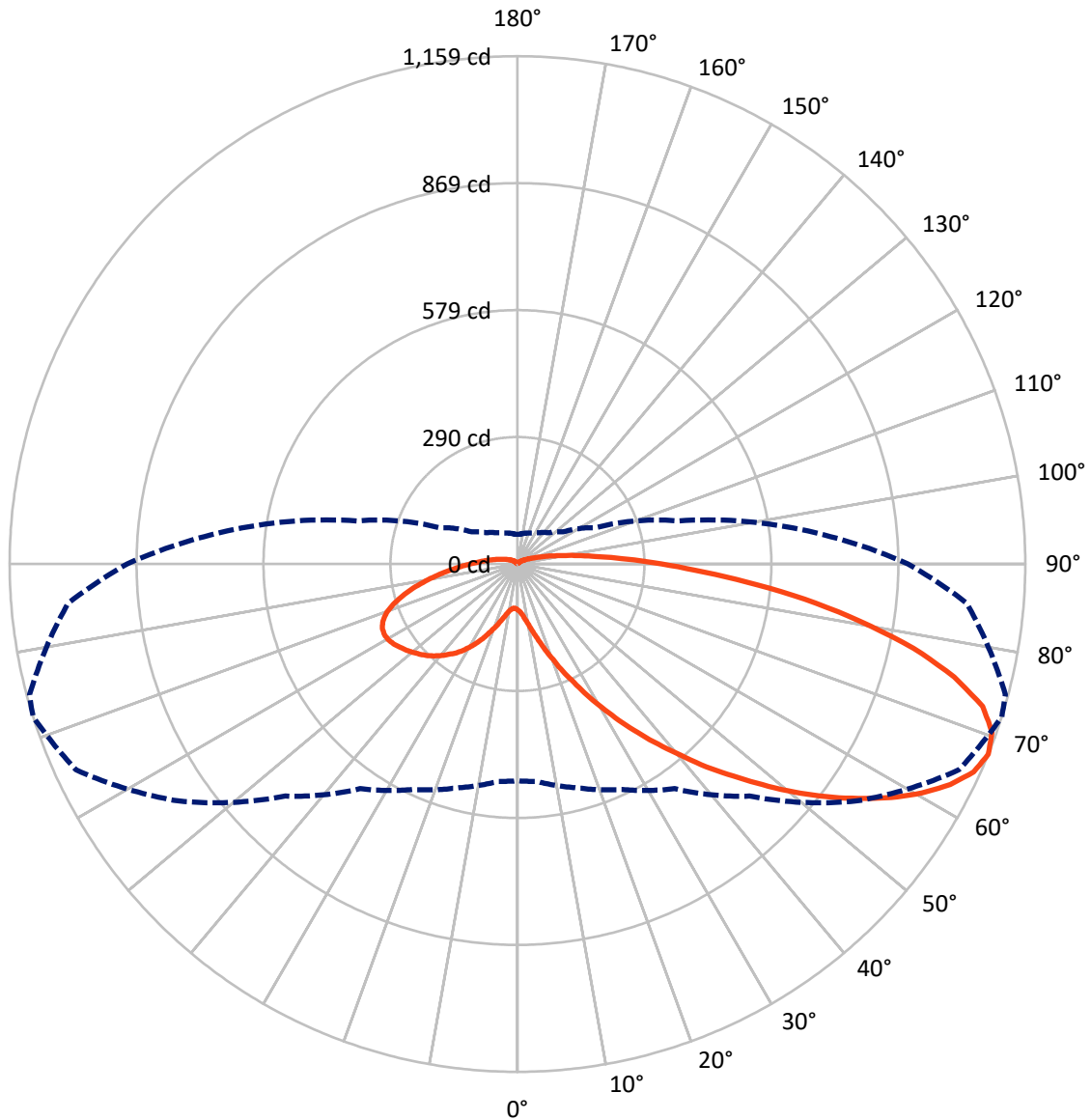
× Max cd
 - - - 1/2 Max cd



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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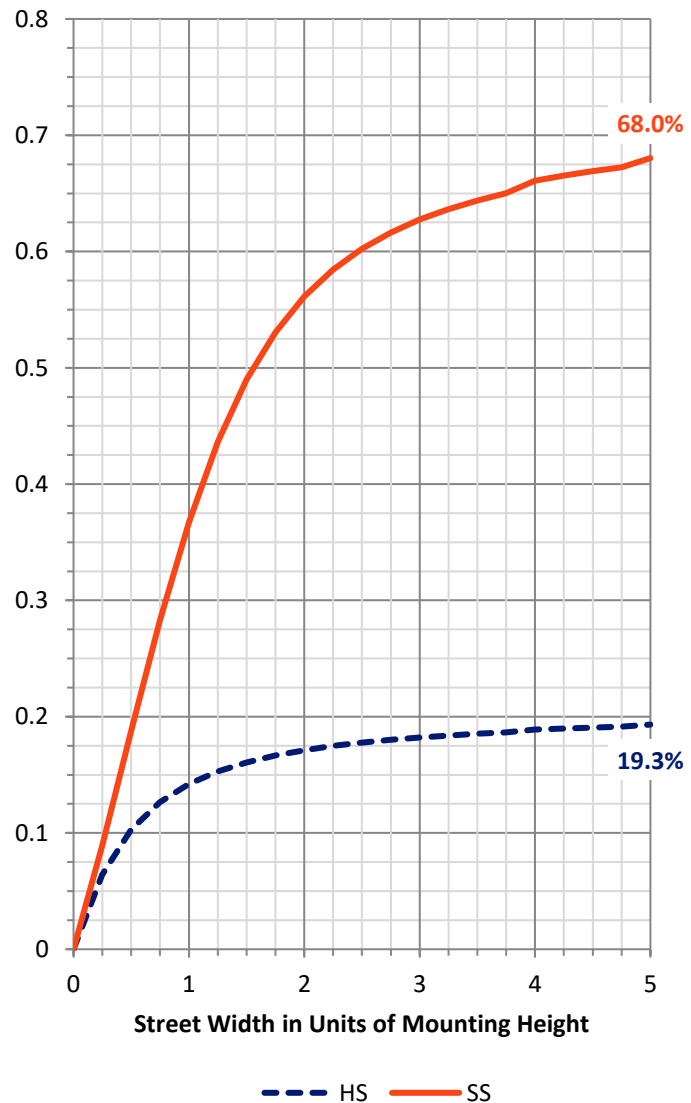
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	509.1	72.4	581.5
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	1785.1	140.4	1925.5
	% Fixture	71.2	5.6	76.8
Total	Lumens	2294.2	212.8	2507.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.4
10°-20°	42.8	1.7
20°-30°	103.3	4.1
30°-40°	196.9	7.9
40°-50°	316.9	12.6
50°-60°	438.5	17.5
60°-70°	503.8	20.1
70°-80°	432.4	17.2
80°-90°	249.0	9.9
90°-100°	112.5	4.5
100°-110°	51.7	2.1
110°-120°	26.0	1.0
120°-130°	13.5	0.5
130°-140°	6.4	0.3
140°-150°	2.2	0.1
150°-160°	0.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2294.2	91.5
0°-180°	2507.0	100.0



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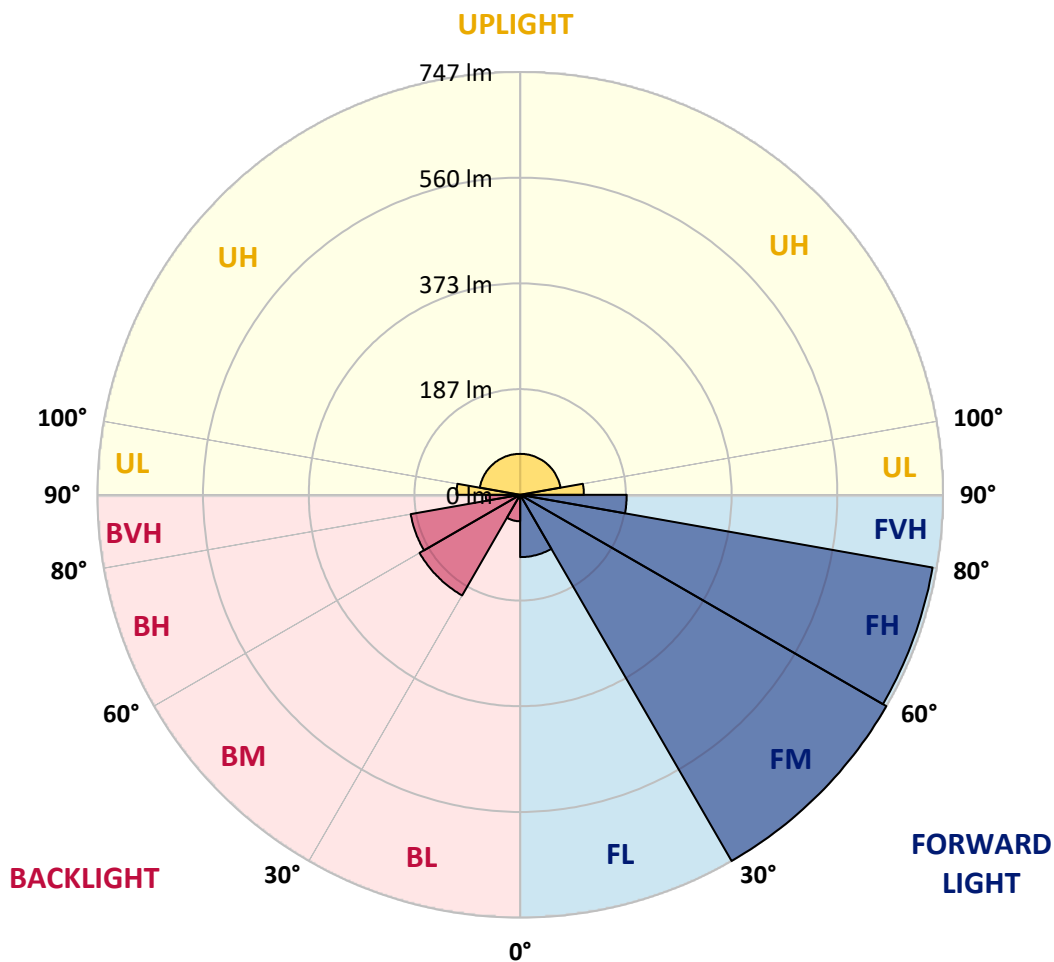
CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.1	4.4			
FM (30°-60°)	746.9	29.8			
FH (60°-80°)	739.9	29.5			G1/1800
FVH (80°-90°)	188.2	7.5			G2/225
BL (0°-30°)	46.8	1.9	B0/110		
BM (30°-60°)	205.3	8.2	B0/220		
BH (60°-80°)	196.3	7.8	B1/500		G1/500
BVH (80°-90°)	60.8	2.4			G1/100
UL (90°-100°)	112.5	4.5		U3/500	
UH (100°-180°)	72.4	2.9		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	117.2	116.9	117.2	116.3	115.4	113.6	112.4	110.0	108.8	108.2	105.8
5°	133.8	133.5	133.2	132.0	129.0	126.9	123.3	119.1	116.3	115.1	111.2
7.5°	151.9	151.3	150.7	148.0	145.9	142.3	136.8	131.4	126.9	126.0	118.7
10°	172.4	171.8	170.6	168.5	164.6	159.4	154.6	146.8	141.1	138.3	130.5
12.5°	193.5	194.7	193.2	189.0	184.5	179.6	172.7	165.2	159.1	157.0	145.0
15°	219.1	220.0	218.5	213.7	208.9	201.6	196.2	188.4	180.2	179.0	165.8
17.5°	247.4	247.1	244.1	239.6	235.4	229.7	221.8	214.6	205.6	203.4	187.2
20°	278.2	277.0	274.3	266.7	262.8	256.2	251.4	241.4	232.7	229.7	213.4
22.5°	308.9	308.3	305.9	299.0	294.2	288.4	281.2	272.2	266.1	260.1	242.0
25°	347.5	343.9	340.9	328.5	324.0	318.6	312.2	304.7	299.0	295.7	274.9
27.5°	386.1	383.4	376.4	367.4	358.7	349.9	347.2	340.6	338.8	336.1	312.5
30°	424.4	423.2	415.6	404.2	391.5	383.1	381.6	382.2	379.5	376.1	351.1
32.5°	467.8	465.1	456.6	441.2	428.0	418.0	418.0	422.3	424.7	421.4	394.8
35°	510.3	507.9	497.3	478.3	463.5	451.5	456.3	466.3	472.0	472.0	439.1
37.5°	555.2	549.7	538.9	519.0	499.1	490.4	495.8	513.0	521.4	521.4	488.3
40°	594.4	594.1	579.3	555.5	535.9	522.9	539.5	562.4	573.6	572.7	537.7
42.5°	633.5	633.2	619.1	592.8	568.1	561.5	582.3	614.5	632.6	632.6	587.7
45°	668.8	666.4	654.3	625.4	602.5	599.5	630.2	671.2	689.9	692.9	642.0
47.5°	694.7	692.6	682.1	654.0	632.3	637.8	674.8	727.0	752.3	752.0	697.4
50°	712.2	710.1	701.0	676.9	658.2	671.8	723.4	786.0	817.7	820.1	752.3
52.5°	717.3	716.1	711.3	691.4	679.3	702.6	768.9	846.3	882.2	884.3	812.3
55°	708.6	708.6	708.3	696.2	691.4	730.0	815.9	905.1	944.0	947.9	871.3
57.5°	688.1	689.0	694.4	690.5	697.7	752.0	855.7	958.1	1005.2	1007.6	924.1
60°	657.0	655.2	667.3	674.5	694.1	765.8	890.9	1011.5	1060.6	1061.5	970.5
62.5°	610.0	610.9	628.4	647.4	681.2	771.6	922.0	1058.2	1107.9	1110.0	1006.7
65°	554.6	556.7	580.5	612.4	658.9	765.5	939.8	1094.1	1143.8	1141.1	1027.5
67.5°	494.6	497.6	528.6	567.5	625.7	748.7	942.8	1111.2	1158.6	1152.5	1029.3
70°	428.9	436.7	467.8	518.4	582.9	716.4	925.3	1108.2	1148.6	1142.9	1002.4
72.5°	369.2	374.9	409.0	461.7	535.0	669.7	888.2	1073.6	1109.7	1098.3	946.4
75°	309.8	318.6	350.8	407.2	483.1	611.8	825.2	1006.7	1029.0	1016.6	862.9
77.5°	259.2	267.0	299.0	353.2	426.2	551.3	742.6	905.1	923.5	910.8	757.4
80°	211.3	220.0	251.1	304.4	372.8	480.1	648.0	786.3	793.3	773.4	641.1
82.5°	176.6	181.1	210.1	257.1	320.1	414.1	551.0	659.8	660.1	636.2	520.8
85°	144.4	147.1	173.6	216.1	270.1	349.9	452.4	531.4	525.3	512.4	401.5
87.5°	116.9	119.7	143.5	181.7	227.3	292.1	369.2	418.3	404.2	393.9	311.6
90°	95.8	98.9	118.4	151.6	190.8	241.1	293.9	323.4	310.7	302.9	240.2
92.5°	78.4	81.4	98.6	126.9	161.5	197.4	233.6	247.4	238.7	229.7	181.1
95°	66.3	66.9	82.3	106.1	133.5	159.4	182.9	191.1	179.0	175.7	140.1
97.5°	54.6	56.4	68.4	89.5	111.5	132.9	145.0	149.2	138.3	131.1	107.3
100°	46.4	47.3	57.9	74.7	92.8	108.2	117.5	115.4	105.8	101.6	81.4
102.5°	39.8	40.7	49.1	64.8	79.0	90.1	94.6	91.3	82.3	79.6	63.9
105°	35.0	35.3	42.2	54.9	66.9	76.3	78.1	72.9	64.2	60.6	50.3
107.5°	31.0	31.3	36.8	47.6	57.9	64.2	64.8	59.1	50.6	47.9	40.4
110°	27.7	28.3	32.2	41.3	50.0	54.9	54.3	48.2	40.4	38.0	33.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	25.0	25.6	28.6	36.2	43.4	47.6	46.1	38.9	32.2	30.7	27.4
115°	22.9	23.5	25.9	31.9	38.3	41.3	38.9	32.2	26.5	24.7	22.9
117.5°	21.4	21.7	23.5	28.3	33.2	35.6	32.9	26.8	21.7	20.5	19.6
120°	19.9	20.2	21.7	25.0	29.2	30.4	27.7	22.0	18.1	17.5	17.2
122.5°	18.7	18.7	19.9	22.3	25.3	26.2	23.5	18.4	15.4	14.8	15.1
125°	17.5	17.5	18.1	19.9	22.0	22.6	19.6	15.4	13.0	12.7	13.3
127.5°	16.3	16.3	16.6	17.8	19.0	19.0	16.3	12.7	11.2	10.9	11.8
130°	15.1	15.1	15.1	15.7	16.3	16.0	13.3	10.5	9.6	9.6	10.2
132.5°	13.9	13.9	13.9	13.9	13.6	13.0	10.9	8.4	8.4	8.4	9.0
135°	12.4	12.4	12.4	12.1	11.5	10.5	8.4	6.9	6.9	7.2	7.8
137.5°	11.2	11.2	10.9	10.2	9.3	8.1	6.6	5.4	6.0	6.0	6.6
140°	9.6	9.6	9.3	8.4	7.2	6.0	4.8	4.5	4.8	5.1	5.7
142.5°	8.1	8.1	7.8	6.9	5.7	4.2	3.3	3.3	3.9	3.9	4.5
145°	6.6	6.6	6.3	5.4	3.9	2.7	2.1	2.4	3.0	3.0	3.3
147.5°	5.1	5.1	4.8	3.9	2.7	1.8	1.2	1.8	2.1	2.1	2.4
150°	3.6	3.6	3.3	2.7	1.8	0.9	0.6	0.9	1.2	1.5	1.5
152.5°	2.4	2.4	2.1	1.8	0.9	0.3	0.6	0.9	0.9	0.9	1.2
155°	1.5	1.2	1.2	0.9	0.3	0.0	0.3	0.6	0.6	0.6	0.9
157.5°	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.3	0.3	0.6	0.6
160°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
162.5°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
165°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
167.5°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
170°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
172.5°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
175°	0.0	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.0	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	105.2	104.0	102.2	100.4	98.6	97.4	96.1	95.5	94.6	93.7	93.7
5°	108.8	106.4	102.2	98.0	94.0	90.7	87.4	85.6	84.4	83.2	83.5
7.5°	115.4	111.8	104.9	98.0	91.6	86.2	81.7	78.1	75.7	74.1	74.4
10°	124.8	120.9	110.3	100.4	91.3	83.5	77.2	72.0	69.0	67.5	67.5
12.5°	139.5	132.9	119.1	104.9	92.8	82.3	74.1	68.1	63.9	62.1	61.8
15°	157.3	148.0	131.1	113.6	96.4	82.3	71.7	67.5	64.8	63.6	63.3
17.5°	178.4	168.2	145.0	121.8	101.3	84.1	75.0	69.9	66.9	65.7	65.4
20°	201.3	189.3	160.0	132.0	106.1	89.5	78.4	72.0	68.7	67.5	67.5
22.5°	229.4	213.4	176.3	141.1	112.1	94.0	81.7	73.8	70.8	69.6	69.3
25°	258.3	240.2	195.6	150.7	118.7	97.7	84.1	75.7	72.6	71.4	71.7
27.5°	292.4	269.1	214.6	160.3	124.5	99.8	85.3	77.2	74.1	73.2	73.5
30°	327.9	298.7	231.5	170.3	128.4	101.3	86.2	78.4	75.0	74.4	74.4
32.5°	365.6	332.4	249.0	179.0	130.8	101.6	86.2	79.0	75.7	75.3	75.7
35°	404.2	365.0	265.8	186.0	132.0	101.3	85.9	79.6	75.7	75.7	75.7
37.5°	447.0	396.9	280.0	190.8	132.3	100.4	85.6	79.3	75.7	75.7	76.0
40°	491.0	431.0	295.7	194.7	132.0	99.8	85.3	79.3	75.7	75.7	76.0
42.5°	534.7	462.6	310.4	197.1	131.4	99.2	85.0	79.3	75.7	75.0	75.3
45°	582.0	499.4	324.6	198.6	130.8	98.9	85.0	79.0	75.7	74.4	74.7
47.5°	626.0	533.5	336.1	200.4	130.5	98.9	85.3	79.0	75.3	74.1	74.1
50°	675.7	568.7	347.8	201.0	129.9	98.9	85.3	79.0	75.0	73.2	73.5
52.5°	724.9	604.3	359.3	202.2	129.9	99.2	85.6	79.0	74.7	72.3	72.3
55°	771.9	635.9	369.5	203.1	129.9	99.8	86.5	79.0	74.4	71.4	71.4
57.5°	815.0	668.5	379.8	203.4	129.9	100.4	86.5	79.3	74.1	70.5	70.5
60°	853.3	696.5	387.0	203.7	129.6	101.0	87.1	79.0	73.8	69.6	69.6
62.5°	880.4	717.9	390.6	202.8	129.6	101.0	87.4	79.0	73.5	69.3	69.0
65°	895.7	725.5	388.5	200.1	129.0	101.0	87.1	78.7	72.9	68.7	68.4
67.5°	890.6	717.3	379.5	195.9	127.5	100.7	87.1	78.1	72.9	68.4	67.8
70°	862.9	692.9	362.3	189.6	125.4	99.5	85.9	77.2	72.3	68.1	67.5
72.5°	808.6	643.8	337.3	179.6	121.8	97.7	84.4	75.7	71.1	67.2	66.3
75°	733.3	585.3	306.8	169.4	117.2	95.2	82.6	74.1	69.6	66.0	65.1
77.5°	636.5	507.2	273.1	156.1	111.5	91.9	80.2	71.7	67.5	64.2	63.0
80°	536.2	427.4	236.6	142.3	105.5	87.7	76.6	68.7	64.8	61.8	60.3
82.5°	434.0	351.1	202.5	129.0	98.6	82.9	72.9	65.4	61.8	58.5	57.0
85°	342.4	277.6	169.7	115.1	91.3	78.1	68.7	61.5	58.2	54.6	53.0
87.5°	266.4	220.3	142.0	102.5	83.5	72.6	64.2	57.6	53.6	50.3	49.1
90°	207.7	173.6	118.7	90.4	76.6	67.2	59.4	53.3	49.4	46.1	44.6
92.5°	158.2	137.4	99.5	79.9	69.6	61.8	54.9	49.1	45.2	41.6	40.1
95°	123.9	109.1	84.1	70.2	62.7	56.1	50.3	44.9	40.7	36.8	35.9
97.5°	96.1	87.4	70.8	61.5	56.7	50.6	45.5	40.7	36.5	32.6	31.6
100°	76.0	69.6	60.0	54.6	50.3	45.5	41.0	36.8	32.2	28.0	27.7
102.5°	60.0	57.3	50.9	47.9	44.6	41.0	37.1	32.6	28.0	24.1	23.8
105°	49.1	46.7	43.7	41.9	39.8	36.5	32.9	28.9	24.4	20.8	20.8
107.5°	39.8	38.6	37.1	36.8	35.3	32.6	29.5	25.6	21.1	18.1	18.1
110°	32.6	32.2	32.2	32.2	31.3	29.2	26.2	22.3	17.8	15.7	15.7



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CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.4	27.4	27.7	28.3	27.7	25.6	22.9	19.3	15.4	13.6	13.6
115°	23.2	23.5	24.4	24.7	24.4	22.9	20.2	16.6	13.0	11.8	12.1
117.5°	20.2	20.2	21.4	22.0	21.7	20.2	17.5	14.2	11.2	10.5	10.5
120°	17.5	18.1	19.0	19.3	19.0	17.5	15.4	12.1	9.6	9.3	9.3
122.5°	15.4	15.7	16.6	17.2	16.6	15.4	13.0	10.2	8.1	8.1	8.4
125°	13.6	13.9	14.5	15.1	14.5	13.0	11.2	8.4	7.2	7.2	7.2
127.5°	12.1	12.4	13.0	13.0	12.4	11.2	9.3	7.2	6.0	6.3	6.3
130°	10.5	10.9	11.2	11.2	10.9	9.6	7.8	6.0	5.4	5.7	5.7
132.5°	9.3	9.6	9.6	9.6	9.0	8.1	6.6	5.1	4.8	5.1	5.1
135°	8.1	8.1	8.4	8.1	7.5	6.6	5.1	4.2	4.2	4.5	4.5
137.5°	6.9	7.2	7.2	6.6	6.0	5.1	4.2	3.6	3.6	3.9	3.9
140°	5.7	6.0	5.7	5.4	4.8	4.2	3.3	2.7	3.0	3.3	3.3
142.5°	4.8	4.8	4.8	4.2	3.6	3.0	2.4	2.4	2.7	2.7	3.0
145°	3.6	3.6	3.6	3.3	2.7	2.1	1.8	1.8	2.1	2.4	2.4
147.5°	2.7	2.7	2.7	2.4	1.8	1.5	1.2	1.5	1.8	2.1	1.8
150°	1.8	1.8	1.8	1.5	1.2	0.9	0.9	1.2	1.5	1.5	1.5
152.5°	1.2	1.2	1.2	1.2	0.9	0.3	0.6	0.9	1.2	1.2	1.2
155°	0.9	0.9	0.9	0.9	0.6	0.0	0.3	0.6	0.9	0.9	0.9
157.5°	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.3	0.6	0.6	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.0
165°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
167.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
170°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
172.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
175°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
177.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

(END OF REPORT)