

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: P414197

Luminaire Tested: **LXF.LXT-PA1-20-730-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414197
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-PA1-20-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2283 lumens
Efficiency: N/A
Efficacy: 108.7 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 - U3 - G2

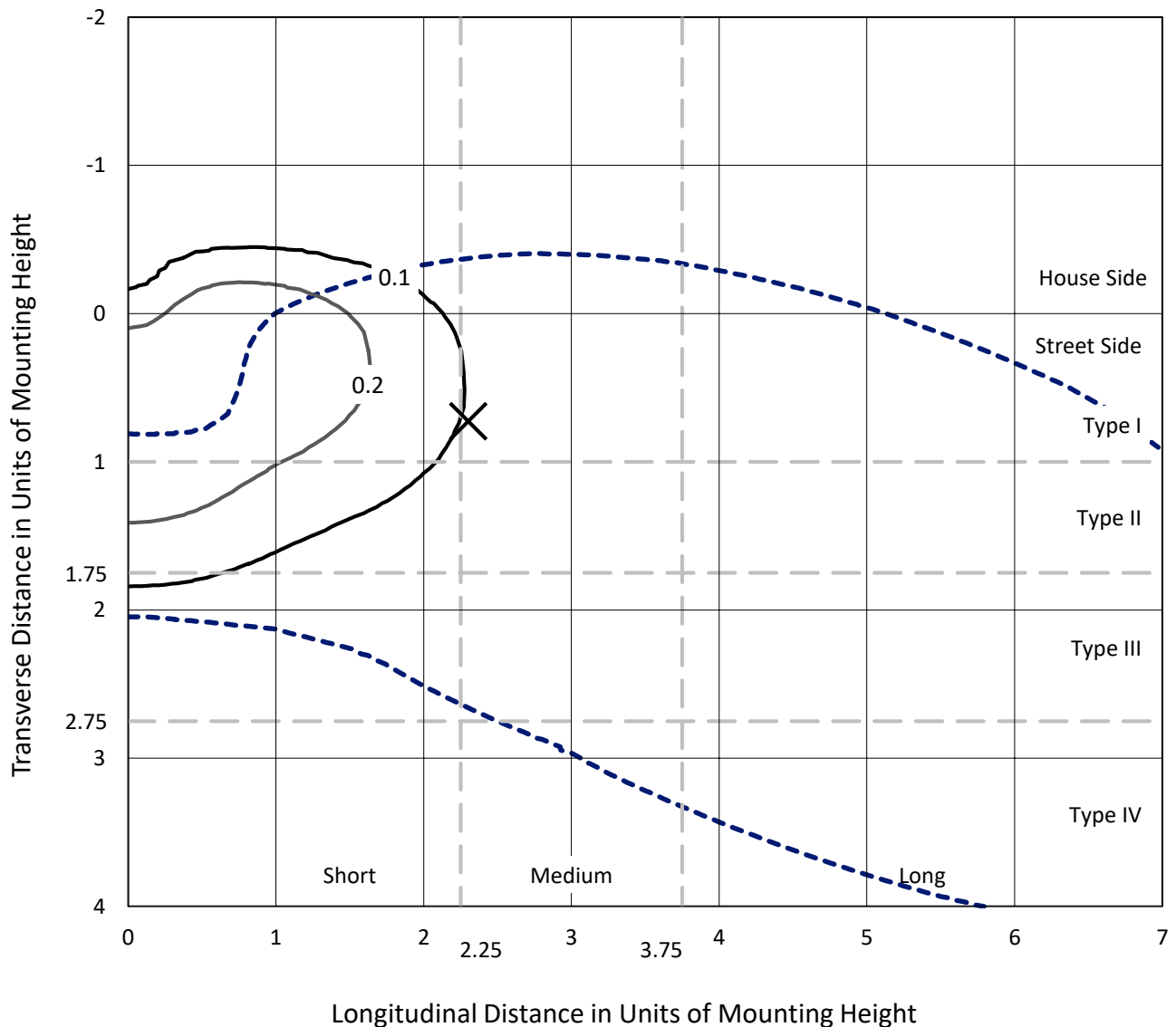
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

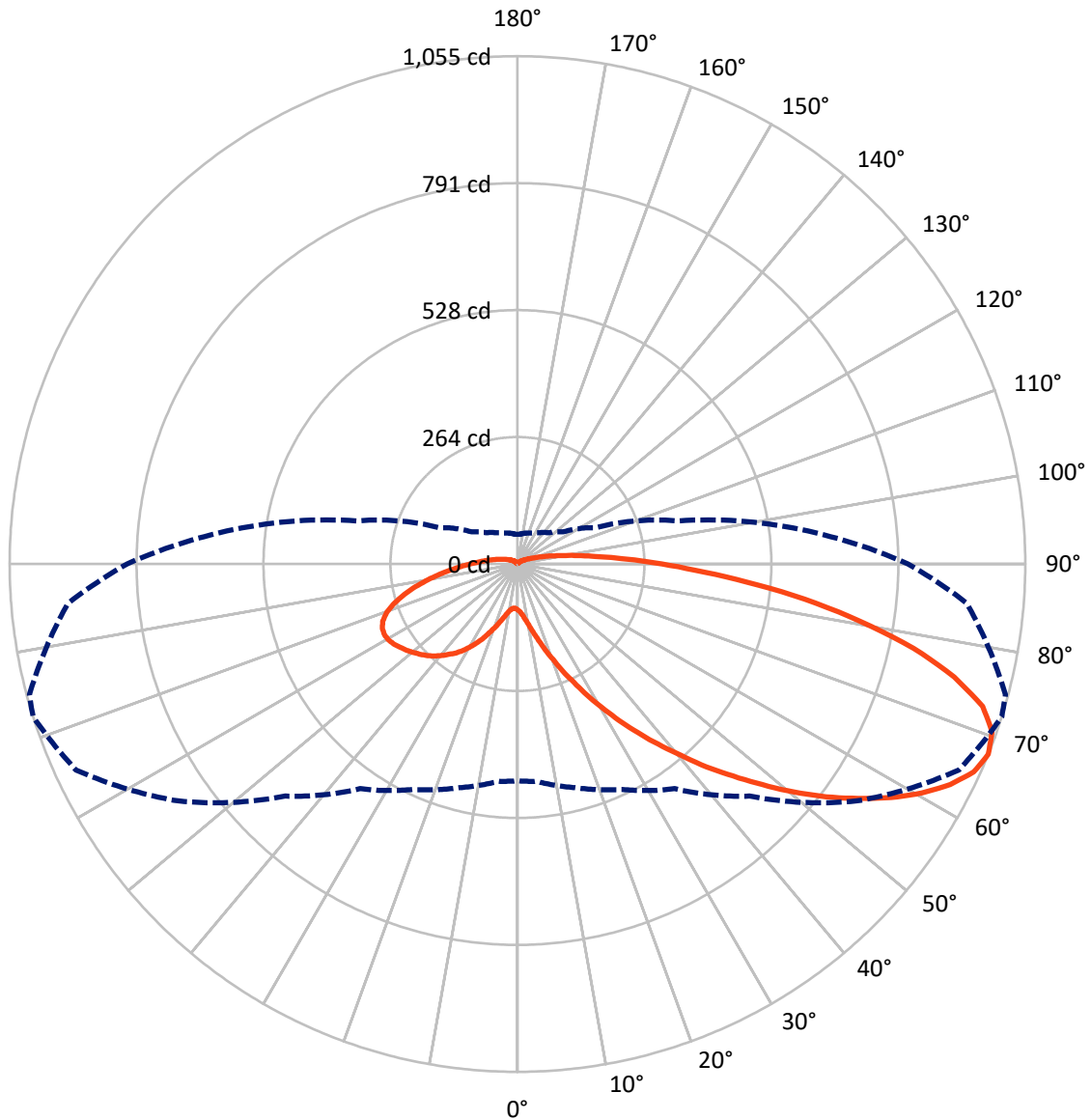
× Max cd
 - - - 1/2 Max cd



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	463.6	66.0	529.6
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	1625.6	127.8	1753.4
	% Fixture	71.2	5.6	76.8
Total	Lumens	2089.2	193.8	2283.0
	% Fixture	91.5	8.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.4
10°-20°	39.0	1.7
20°-30°	94.1	4.1
30°-40°	179.3	7.9
40°-50°	288.6	12.6
50°-60°	399.3	17.5
60°-70°	458.7	20.1
70°-80°	393.8	17.2
80°-90°	226.7	9.9
90°-100°	102.5	4.5
100°-110°	47.1	2.1
110°-120°	23.7	1.0
120°-130°	12.3	0.5
130°-140°	5.8	0.3
140°-150°	2.0	0.1
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2089.2	91.5
0°-180°	2283.0	100.0

Coefficient of Utilization



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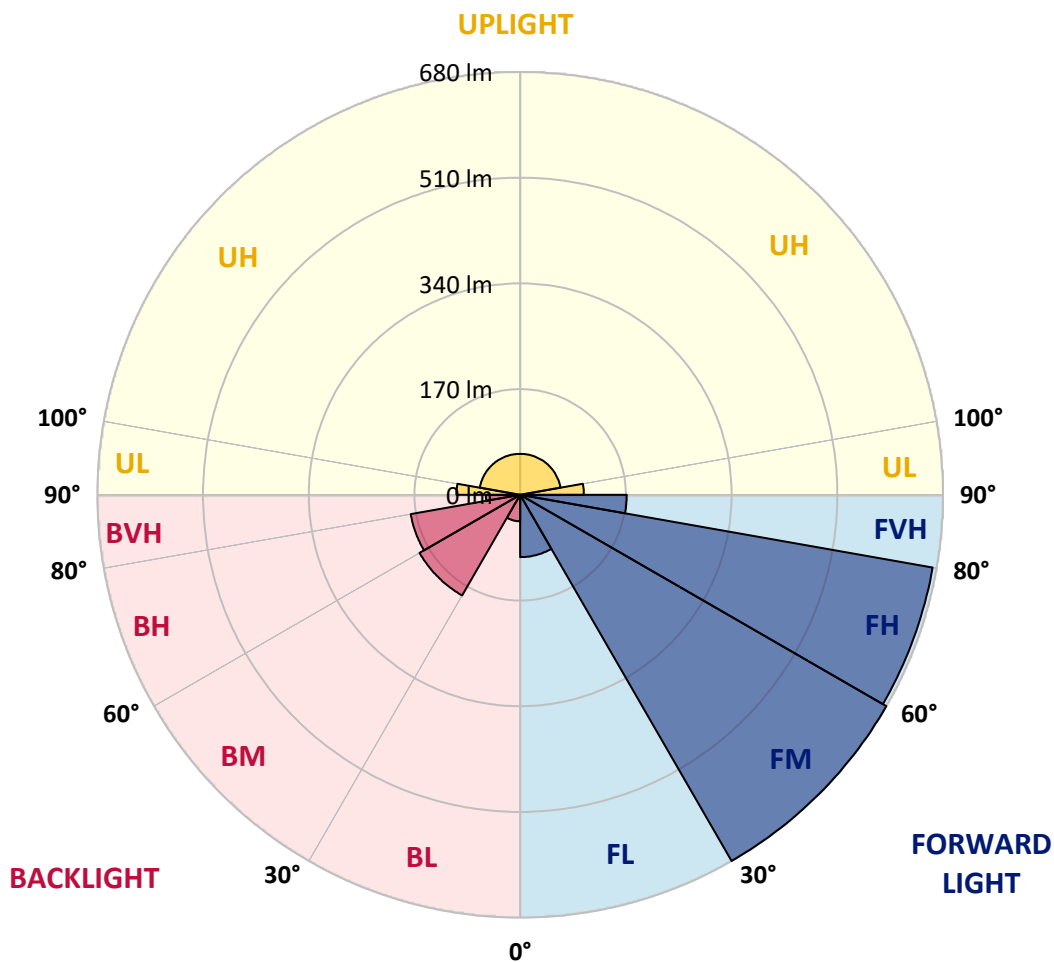
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.3	4.4			
FM (30°-60°)	680.2	29.8			
FH (60°-80°)	673.8	29.5			G1/1800
FVH (80°-90°)	171.4	7.5			G2/225
BL (0°-30°)	42.6	1.9	B0/110		
BM (30°-60°)	186.9	8.2	B0/220		
BH (60°-80°)	178.8	7.8	B1/500		G1/500
BVH (80°-90°)	55.3	2.4			G1/100
UL (90°-100°)	102.5	4.5		U3/500	
UH (100°-180°)	66.0	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°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2.5°	106.8	106.5	106.8	105.9	105.1	103.5	102.4	100.2	99.1	98.5	96.3
5°	121.9	121.6	121.3	120.2	117.5	115.6	112.3	108.4	105.9	104.8	101.3
7.5°	138.3	137.8	137.2	134.8	132.8	129.5	124.6	119.7	115.6	114.7	108.1
10°	157.0	156.4	155.3	153.4	149.9	145.2	140.8	133.7	128.5	126.0	118.8
12.5°	176.2	177.3	175.9	172.1	168.0	163.6	157.3	150.4	144.9	143.0	132.0
15°	199.5	200.4	199.0	194.6	190.2	183.6	178.7	171.5	164.1	163.0	151.0
17.5°	225.3	225.1	222.3	218.2	214.4	209.1	202.0	195.4	187.2	185.3	170.4
20°	253.3	252.2	249.8	242.9	239.3	233.3	228.9	219.8	211.9	209.1	194.3
22.5°	281.3	280.8	278.6	272.3	267.9	262.7	256.1	247.8	242.4	236.9	220.4
25°	316.5	313.2	310.4	299.2	295.1	290.1	284.3	277.5	272.3	269.3	250.3
27.5°	351.6	349.1	342.8	334.6	326.6	318.7	316.2	310.1	308.5	306.0	284.6
30°	386.4	385.4	378.5	368.1	356.5	348.8	347.5	348.0	345.6	342.5	319.8
32.5°	426.0	423.5	415.8	401.8	389.7	380.7	380.7	384.5	386.7	383.7	359.6
35°	464.7	462.5	452.9	435.6	422.1	411.2	415.5	424.6	429.8	429.8	399.9
37.5°	505.6	500.6	490.7	472.6	454.5	446.6	451.5	467.1	474.8	474.8	444.6
40°	541.2	541.0	527.5	505.8	488.0	476.2	491.3	512.2	522.3	521.5	489.6
42.5°	576.9	576.7	563.8	539.9	517.4	511.3	530.3	559.6	576.1	576.1	535.2
45°	609.0	606.8	595.9	569.5	548.7	545.9	573.9	611.2	628.3	631.0	584.6
47.5°	632.6	630.7	621.1	595.6	575.8	580.8	614.5	662.0	685.1	684.8	635.1
50°	648.6	646.6	638.4	616.5	599.4	611.8	658.7	715.8	744.6	746.8	685.1
52.5°	653.2	652.1	647.7	629.6	618.6	639.8	700.2	770.7	803.4	805.3	739.7
55°	645.3	645.3	645.0	634.0	629.6	664.8	743.0	824.2	859.6	863.2	793.5
57.5°	626.6	627.4	632.4	628.8	635.4	684.8	779.2	872.5	915.3	917.5	841.5
60°	598.3	596.7	607.7	614.3	632.1	697.4	811.3	921.1	965.8	966.7	883.8
62.5°	555.5	556.3	572.3	589.6	620.3	702.6	839.6	963.7	1008.9	1010.9	916.7
65°	505.0	506.9	528.6	557.7	600.0	697.1	855.8	996.3	1041.6	1039.1	935.7
67.5°	450.4	453.1	481.4	516.8	569.8	681.8	858.5	1012.0	1055.0	1049.6	937.3
70°	390.6	397.7	426.0	472.1	530.8	652.4	842.6	1009.2	1046.0	1040.8	912.9
72.5°	336.2	341.4	372.5	420.5	487.2	609.9	808.9	977.6	1010.6	1000.2	861.8
75°	282.2	290.1	319.5	370.8	440.0	557.2	751.5	916.7	937.0	925.8	785.8
77.5°	236.0	243.2	272.3	321.7	388.1	502.0	676.3	824.2	841.0	829.4	689.7
80°	192.4	200.4	228.6	277.2	339.5	437.2	590.1	716.1	722.4	704.3	583.8
82.5°	160.8	165.0	191.3	234.1	291.5	377.1	501.7	600.8	601.1	579.4	474.3
85°	131.5	133.9	158.1	196.8	245.9	318.7	412.0	483.9	478.4	466.6	365.6
87.5°	106.5	109.0	130.6	165.5	206.9	266.0	336.2	381.0	368.1	358.7	283.8
90°	87.3	90.0	107.9	138.1	173.7	219.6	267.6	294.5	283.0	275.8	218.7
92.5°	71.4	74.1	89.8	115.6	147.1	179.8	212.7	225.3	217.4	209.1	165.0
95°	60.4	60.9	74.9	96.6	121.6	145.2	166.6	174.0	163.0	160.0	127.6
97.5°	49.7	51.3	62.3	81.5	101.6	121.0	132.0	135.9	126.0	119.4	97.7
100°	42.3	43.1	52.7	68.1	84.5	98.5	107.0	105.1	96.3	92.5	74.1
102.5°	36.2	37.1	44.7	59.0	71.9	82.1	86.2	83.2	74.9	72.5	58.2
105°	31.8	32.1	38.4	50.0	60.9	69.4	71.1	66.4	58.5	55.2	45.8
107.5°	28.3	28.5	33.5	43.4	52.7	58.5	59.0	53.8	46.1	43.6	36.8
110°	25.3	25.8	29.4	37.6	45.6	50.0	49.4	43.9	36.8	34.6	30.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	22.8	23.3	26.1	32.9	39.5	43.4	42.0	35.4	29.4	28.0	25.0
115°	20.9	21.4	23.6	29.1	34.9	37.6	35.4	29.4	24.2	22.5	20.9
117.5°	19.5	19.8	21.4	25.8	30.2	32.4	29.9	24.4	19.8	18.7	17.8
120°	18.1	18.4	19.8	22.8	26.6	27.7	25.3	20.0	16.5	15.9	15.6
122.5°	17.0	17.0	18.1	20.3	23.1	23.9	21.4	16.7	14.0	13.4	13.7
125°	15.9	15.9	16.5	18.1	20.0	20.6	17.8	14.0	11.8	11.5	12.1
127.5°	14.8	14.8	15.1	16.2	17.3	17.3	14.8	11.5	10.2	9.9	10.7
130°	13.7	13.7	13.7	14.3	14.8	14.5	12.1	9.6	8.8	8.8	9.3
132.5°	12.6	12.6	12.6	12.6	12.4	11.8	9.9	7.7	7.7	7.7	8.2
135°	11.3	11.3	11.3	11.0	10.4	9.6	7.7	6.3	6.3	6.6	7.1
137.5°	10.2	10.2	9.9	9.3	8.5	7.4	6.0	4.9	5.5	5.5	6.0
140°	8.8	8.8	8.5	7.7	6.6	5.5	4.4	4.1	4.4	4.7	5.2
142.5°	7.4	7.4	7.1	6.3	5.2	3.8	3.0	3.0	3.6	3.6	4.1
145°	6.0	6.0	5.8	4.9	3.6	2.5	1.9	2.2	2.7	2.7	3.0
147.5°	4.7	4.7	4.4	3.6	2.5	1.6	1.1	1.6	1.9	1.9	2.2
150°	3.3	3.3	3.0	2.5	1.6	0.8	0.5	0.8	1.1	1.4	1.4
152.5°	2.2	2.2	1.9	1.6	0.8	0.3	0.5	0.8	0.8	0.8	1.1
155°	1.4	1.1	1.1	0.8	0.3	0.0	0.3	0.5	0.5	0.5	0.8
157.5°	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.3	0.3	0.5	0.5
160°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
162.5°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
165°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
167.5°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
170°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
172.5°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
175°	0.0	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.0	0.3	0.3	0.5	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°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2.5°	95.8	94.7	93.0	91.4	89.8	88.7	87.6	87.0	86.2	85.4	85.4
5°	99.1	96.9	93.0	89.2	85.6	82.6	79.6	77.9	76.9	75.8	76.0
7.5°	105.1	101.8	95.5	89.2	83.4	78.5	74.4	71.1	68.9	67.5	67.8
10°	113.6	110.1	100.5	91.4	83.2	76.0	70.3	65.6	62.9	61.5	61.5
12.5°	127.1	121.0	108.4	95.5	84.5	74.9	67.5	62.0	58.2	56.5	56.3
15°	143.3	134.8	119.4	103.5	87.8	74.9	65.3	61.5	59.0	57.9	57.6
17.5°	162.5	153.2	132.0	110.9	92.2	76.6	68.3	63.7	60.9	59.8	59.6
20°	183.3	172.4	145.7	120.2	96.6	81.5	71.4	65.6	62.6	61.5	61.5
22.5°	208.9	194.3	160.6	128.5	102.1	85.6	74.4	67.2	64.5	63.4	63.1
25°	235.2	218.7	178.1	137.2	108.1	88.9	76.6	68.9	66.1	65.0	65.3
27.5°	266.2	245.1	195.4	146.0	113.4	90.8	77.7	70.3	67.5	66.7	67.0
30°	298.6	272.0	210.8	155.1	116.9	92.2	78.5	71.4	68.3	67.8	67.8
32.5°	332.9	302.7	226.7	163.0	119.1	92.5	78.5	71.9	68.9	68.6	68.9
35°	368.1	332.4	242.1	169.3	120.2	92.2	78.2	72.5	68.9	68.9	68.9
37.5°	407.0	361.5	255.0	173.7	120.5	91.4	77.9	72.2	68.9	68.9	69.2
40°	447.1	392.5	269.3	177.3	120.2	90.8	77.7	72.2	68.9	68.9	69.2
42.5°	486.9	421.3	282.7	179.5	119.7	90.3	77.4	72.2	68.9	68.3	68.6
45°	530.0	454.8	295.6	180.9	119.1	90.0	77.4	71.9	68.9	67.8	68.1
47.5°	570.1	485.8	306.0	182.5	118.8	90.0	77.7	71.9	68.6	67.5	67.5
50°	615.4	517.9	316.7	183.1	118.3	90.0	77.7	71.9	68.3	66.7	67.0
52.5°	660.1	550.3	327.2	184.2	118.3	90.3	77.9	71.9	68.1	65.9	65.9
55°	702.9	579.1	336.5	185.0	118.3	90.8	78.8	71.9	67.8	65.0	65.0
57.5°	742.2	608.8	345.8	185.3	118.3	91.4	78.8	72.2	67.5	64.2	64.2
60°	777.0	634.3	352.4	185.5	118.0	91.9	79.3	71.9	67.2	63.4	63.4
62.5°	801.7	653.8	355.7	184.7	118.0	91.9	79.6	71.9	67.0	63.1	62.9
65°	815.7	660.6	353.8	182.2	117.5	91.9	79.3	71.6	66.4	62.6	62.3
67.5°	811.0	653.2	345.6	178.4	116.1	91.7	79.3	71.1	66.4	62.3	61.8
70°	785.8	631.0	329.9	172.6	114.2	90.6	78.2	70.3	65.9	62.0	61.5
72.5°	736.4	586.3	307.1	163.6	110.9	88.9	76.9	68.9	64.8	61.2	60.4
75°	667.8	533.0	279.4	154.3	106.8	86.7	75.2	67.5	63.4	60.1	59.3
77.5°	579.7	461.9	248.7	142.2	101.6	83.7	73.0	65.3	61.5	58.5	57.4
80°	488.3	389.2	215.5	129.5	96.1	79.9	69.7	62.6	59.0	56.3	54.9
82.5°	395.2	319.8	184.4	117.5	89.8	75.5	66.4	59.6	56.3	53.2	51.9
85°	311.8	252.8	154.5	104.8	83.2	71.1	62.6	56.0	53.0	49.7	48.3
87.5°	242.6	200.6	129.3	93.3	76.0	66.1	58.5	52.4	48.9	45.8	44.7
90°	189.1	158.1	108.1	82.3	69.7	61.2	54.1	48.6	45.0	42.0	40.6
92.5°	144.1	125.2	90.6	72.7	63.4	56.3	50.0	44.7	41.2	37.9	36.5
95°	112.8	99.4	76.6	64.0	57.1	51.1	45.8	40.9	37.1	33.5	32.7
97.5°	87.6	79.6	64.5	56.0	51.6	46.1	41.4	37.1	33.2	29.6	28.8
100°	69.2	63.4	54.6	49.7	45.8	41.4	37.3	33.5	29.4	25.5	25.3
102.5°	54.6	52.1	46.4	43.6	40.6	37.3	33.8	29.6	25.5	22.0	21.7
105°	44.7	42.5	39.8	38.2	36.2	33.2	29.9	26.3	22.2	18.9	18.9
107.5°	36.2	35.1	33.8	33.5	32.1	29.6	26.9	23.3	19.2	16.5	16.5
110°	29.6	29.4	29.4	29.4	28.5	26.6	23.9	20.3	16.2	14.3	14.3



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.0	25.0	25.3	25.8	25.3	23.3	20.9	17.6	14.0	12.4	12.4
115°	21.1	21.4	22.2	22.5	22.2	20.9	18.4	15.1	11.8	10.7	11.0
117.5°	18.4	18.4	19.5	20.0	19.8	18.4	15.9	12.9	10.2	9.6	9.6
120°	15.9	16.5	17.3	17.6	17.3	15.9	14.0	11.0	8.8	8.5	8.5
122.5°	14.0	14.3	15.1	15.6	15.1	14.0	11.8	9.3	7.4	7.4	7.7
125°	12.4	12.6	13.2	13.7	13.2	11.8	10.2	7.7	6.6	6.6	6.6
127.5°	11.0	11.3	11.8	11.8	11.3	10.2	8.5	6.6	5.5	5.8	5.8
130°	9.6	9.9	10.2	10.2	9.9	8.8	7.1	5.5	4.9	5.2	5.2
132.5°	8.5	8.8	8.8	8.8	8.2	7.4	6.0	4.7	4.4	4.7	4.7
135°	7.4	7.4	7.7	7.4	6.9	6.0	4.7	3.8	3.8	4.1	4.1
137.5°	6.3	6.6	6.6	6.0	5.5	4.7	3.8	3.3	3.3	3.6	3.6
140°	5.2	5.5	5.2	4.9	4.4	3.8	3.0	2.5	2.7	3.0	3.0
142.5°	4.4	4.4	4.4	3.8	3.3	2.7	2.2	2.2	2.5	2.5	2.7
145°	3.3	3.3	3.3	3.0	2.5	1.9	1.6	1.6	1.9	2.2	2.2
147.5°	2.5	2.5	2.5	2.2	1.6	1.4	1.1	1.4	1.6	1.9	1.6
150°	1.6	1.6	1.6	1.4	1.1	0.8	0.8	1.1	1.4	1.4	1.4
152.5°	1.1	1.1	1.1	1.1	0.8	0.3	0.5	0.8	1.1	1.1	1.1
155°	0.8	0.8	0.8	0.8	0.5	0.0	0.3	0.5	0.8	0.8	0.8
157.5°	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.3	0.5	0.5	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)