

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: P414493

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2018 lumens
Efficiency: N/A
Efficacy: 96.1 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

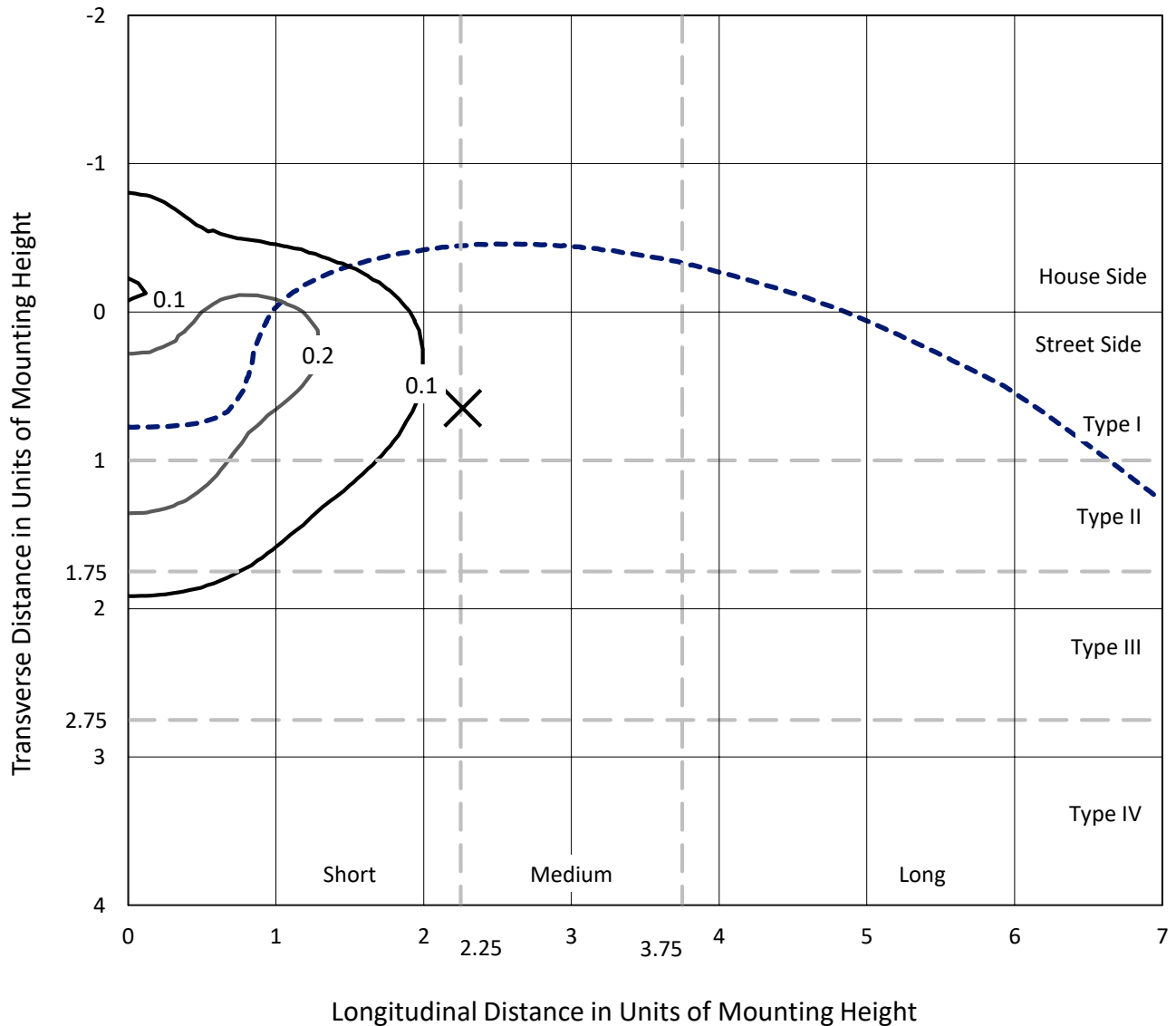


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

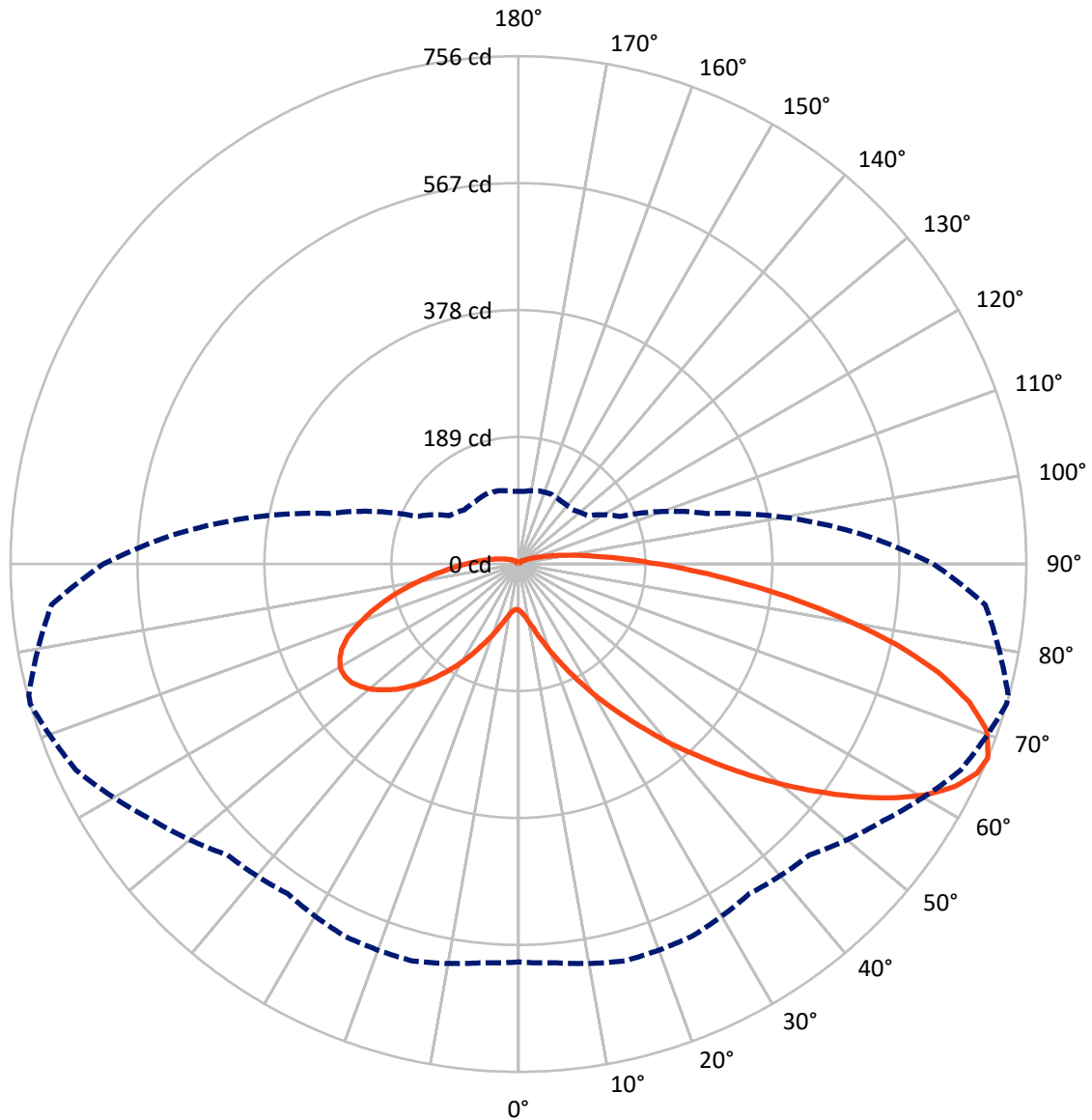


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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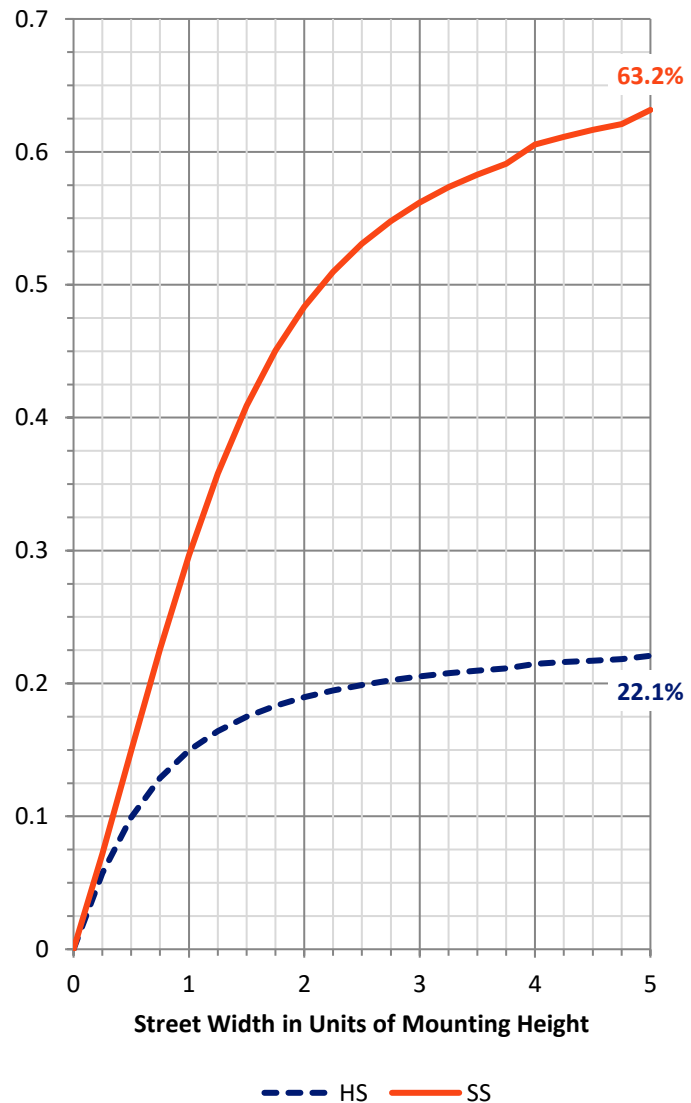
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	470.6	56.6	527.1
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	1361.8	129.0	1490.9
	% Fixture	67.5	6.4	73.9
Total	Lumens	1832.4	185.6	2018.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.4
10°-20°	29.4	1.5
20°-30°	73.0	3.6
30°-40°	142.6	7.1
40°-50°	235.8	11.7
50°-60°	341.8	16.9
60°-70°	413.7	20.5
70°-80°	367.8	18.2
80°-90°	220.9	10.9
90°-100°	101.4	5.0
100°-110°	45.2	2.2
110°-120°	21.6	1.1
120°-130°	10.7	0.5
130°-140°	4.9	0.2
140°-150°	1.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1832.4	90.8
0°-180°	2018.0	100.0



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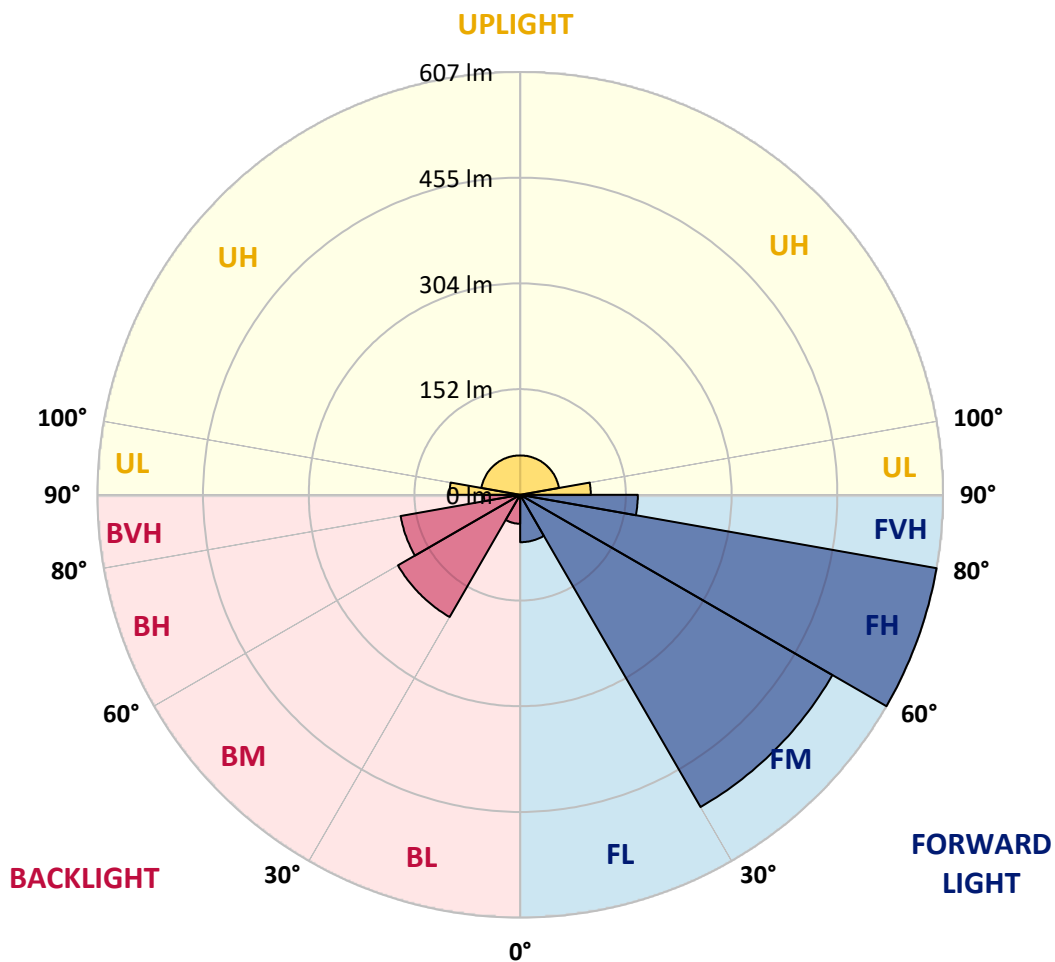
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.0	3.4			
FM	(30°-60°)	517.7	25.7			
FH	(60°-80°)	607.2	30.1			G0/660
FVH	(80°-90°)	168.9	8.4			G2/225
BL	(0°-30°)	41.6	2.1	B0/110		
BM	(30°-60°)	202.6	10.0	B0/220		
BH	(60°-80°)	174.4	8.6	B1/500		G1/500
BVH	(80°-90°)	52.1	2.6			G1/100
UL	(90°-100°)	101.4	5.0		U3/500	
UH	(100°-180°)	56.6	2.8		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°	74°	75°	85°
0°	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	75.9	75.2	75.2	74.7	74.5	73.8	73.3	71.6	70.9	70.9	69.7
5°	84.1	83.6	82.6	82.6	81.7	80.7	78.8	76.6	75.0	74.7	72.6
7.5°	94.1	92.9	92.9	91.7	90.3	88.6	86.0	83.1	80.5	80.2	76.9
10°	105.6	105.1	104.7	103.0	101.1	97.7	95.3	91.2	88.1	87.9	83.3
12.5°	119.7	119.0	117.6	115.9	112.6	110.2	105.9	101.3	97.2	97.5	92.2
15°	135.1	134.6	133.6	131.0	127.2	123.8	119.5	114.7	110.6	109.0	103.5
17.5°	152.5	151.6	150.4	147.5	143.2	139.9	134.1	129.6	124.3	124.5	116.6
20°	173.1	172.2	170.5	166.0	162.1	157.6	151.6	146.6	140.6	140.1	132.2
22.5°	193.5	194.0	189.9	185.1	181.5	176.3	170.5	164.0	158.8	158.3	149.2
25°	218.6	217.0	212.9	207.4	201.9	195.4	190.4	184.6	179.6	179.1	168.4
27.5°	245.0	243.6	238.0	231.1	223.7	216.5	212.2	206.2	202.4	201.6	190.6
30°	273.7	271.3	266.3	257.0	246.7	238.5	234.2	232.1	228.5	227.5	216.3
32.5°	306.1	302.9	295.5	284.3	269.4	260.3	258.4	256.5	255.0	253.6	243.1
35°	338.1	337.2	326.2	312.3	297.7	285.7	282.3	285.5	284.5	283.5	272.3
37.5°	371.9	373.6	361.6	343.4	323.3	310.6	308.2	314.0	316.6	316.6	303.2
40°	411.7	410.2	398.3	376.0	352.5	337.7	338.4	347.0	353.5	352.0	338.9
42.5°	451.2	448.1	432.3	410.5	380.8	365.9	365.9	379.1	388.9	389.2	375.3
45°	490.0	486.6	471.8	443.3	410.9	394.9	398.3	414.3	430.3	428.2	414.5
47.5°	525.4	524.0	508.7	478.2	441.8	425.1	431.8	455.7	473.2	473.2	458.1
50°	560.1	558.2	543.9	509.6	473.0	456.4	466.5	495.7	518.0	519.2	501.7
52.5°	590.1	588.9	575.5	541.5	503.6	486.9	502.0	538.6	564.2	566.8	548.4
55°	611.6	612.4	602.1	569.7	531.4	517.5	538.1	581.2	611.6	612.1	592.2
57.5°	627.4	628.4	621.5	593.4	555.8	545.3	573.1	622.4	656.9	659.0	632.9
60°	634.1	635.8	633.7	610.2	577.6	570.9	604.4	659.3	697.6	698.3	667.0
62.5°	630.6	632.2	636.5	619.8	593.4	593.2	634.9	691.4	729.5	730.4	692.8
65°	614.3	616.9	627.7	619.8	599.2	607.1	655.0	716.0	750.3	751.5	702.9
67°	592.5	595.8	611.6	611.4	599.2	612.6	664.8	726.3	756.0	754.6	697.6
67.5°	587.4	590.8	606.6	609.0	597.5	613.3	666.0	727.5	753.9	753.6	694.3
70°	544.8	550.8	573.8	585.3	585.0	607.6	665.5	721.1	739.3	736.9	666.2
72.5°	495.7	503.1	531.2	553.2	560.4	589.6	648.0	695.5	701.4	698.6	613.8
75°	445.2	449.3	478.5	509.9	528.1	559.2	615.2	654.7	646.4	639.4	548.2
77.5°	391.8	393.5	426.0	461.2	483.3	519.2	566.4	595.1	574.5	568.8	473.5
80°	329.8	336.7	369.3	405.9	433.2	465.8	505.5	522.8	488.3	483.0	393.9
82.5°	279.0	283.3	313.0	348.9	379.6	410.2	436.1	440.6	404.5	400.7	316.6
85°	227.7	231.6	262.7	296.0	324.7	350.4	367.6	360.9	323.3	319.2	250.3
87.5°	188.5	191.3	212.9	246.7	272.0	290.5	299.6	291.2	255.3	249.5	193.3
90°	149.4	153.7	173.1	201.6	227.5	239.5	240.4	226.5	197.1	192.8	148.0
92.5°	120.7	123.6	142.0	165.7	186.1	195.2	192.8	181.0	154.0	149.0	114.5
95°	97.7	100.1	115.4	136.3	152.8	161.2	154.5	138.9	117.6	115.7	88.4
97.5°	81.2	81.7	93.6	112.3	125.5	129.8	124.5	110.4	92.0	88.1	67.8
100°	66.3	66.8	76.9	91.0	103.0	105.9	100.6	86.9	71.4	69.0	53.2
102.5°	53.9	55.1	62.7	75.4	84.3	86.5	80.9	69.0	55.1	53.4	41.4
105°	45.7	46.0	52.7	62.3	70.2	71.8	66.3	56.0	43.3	42.4	33.0
107.5°	38.8	38.8	44.1	52.4	58.7	59.6	55.3	45.7	34.2	33.3	26.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	33.3	33.5	37.4	44.1	49.8	50.5	46.2	36.6	27.3	26.6	21.8
112.5°	29.0	29.5	32.1	37.4	42.4	43.1	38.8	29.9	22.3	21.3	18.2
115°	25.6	25.9	27.8	32.1	36.2	36.6	32.3	24.7	18.0	17.2	15.3
117.5°	22.8	23.0	24.4	28.0	31.1	31.4	27.1	20.4	15.1	14.4	13.4
120°	20.6	20.6	21.8	24.2	26.8	26.8	22.8	16.8	12.5	12.2	11.5
122.5°	18.7	18.7	19.4	21.1	23.0	22.5	18.9	13.9	10.5	10.3	10.1
125°	17.0	17.0	17.5	18.4	19.6	18.9	15.6	11.5	9.1	8.9	8.9
127.5°	15.3	15.3	15.6	16.3	16.5	15.8	12.9	9.6	7.9	7.7	7.9
130°	13.9	13.9	13.9	13.9	13.9	13.4	10.5	7.9	6.7	6.7	6.9
132.5°	12.5	12.5	12.2	12.0	11.7	10.8	8.6	6.5	6.0	6.0	6.2
135°	11.0	11.0	10.8	10.3	9.6	8.4	6.5	5.3	5.0	5.0	5.3
137.5°	9.6	9.6	9.3	8.6	7.7	6.5	5.0	4.3	4.3	4.3	4.6
140°	8.1	8.1	7.9	7.2	6.0	4.8	3.8	3.4	3.6	3.6	3.8
142.5°	6.9	6.7	6.5	5.7	4.6	3.4	2.6	2.6	2.9	2.9	3.1
145°	5.5	5.3	5.0	4.3	3.4	2.4	1.9	1.9	2.2	2.2	2.4
147.5°	4.3	4.1	3.8	3.1	2.4	1.7	1.2	1.4	1.7	1.7	1.7
150°	2.9	2.9	2.9	2.4	1.4	1.0	0.7	1.0	1.0	1.0	1.2
152.5°	1.9	1.9	1.9	1.4	1.0	0.5	0.5	0.5	0.7	0.7	0.7
155°	1.2	1.2	1.2	1.0	0.5	0.2	0.2	0.2	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.2	0.0	0.2	0.2	0.2	0.2
160°	0.2	0.2	0.5	0.5	0.5	0.2	0.0	0.0	0.2	0.2	0.2
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°	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	69.2	68.7	67.8	67.1	66.3	65.6	64.9	64.4	63.7	63.7	63.7
5°	71.6	70.4	68.5	67.1	65.4	64.2	62.7	61.8	61.1	60.8	60.8
7.5°	75.7	74.0	71.1	68.3	65.9	63.9	62.3	61.1	60.1	59.9	59.9
10°	81.4	79.3	74.7	71.4	68.3	65.6	63.5	61.8	61.1	60.6	60.6
12.5°	89.8	86.9	81.7	75.9	71.8	68.5	65.9	65.1	65.1	65.4	65.1
15°	99.9	97.0	89.8	83.1	77.1	73.3	71.8	71.8	71.6	72.1	72.1
17.5°	112.6	108.5	99.9	91.0	84.1	80.5	79.0	78.5	79.0	79.7	79.3
20°	127.6	121.7	110.9	99.9	92.4	88.8	86.5	86.0	86.7	87.2	87.4
22.5°	143.4	137.0	123.3	109.2	101.5	96.7	94.1	93.4	94.6	95.8	96.0
25°	161.4	154.2	136.7	120.5	109.7	103.2	100.8	100.6	102.5	104.2	104.2
27.5°	183.2	173.6	151.4	132.7	118.8	110.2	107.5	107.8	110.4	111.8	112.3
30°	206.0	195.2	168.1	143.9	126.0	115.7	112.8	114.0	116.6	119.5	120.0
32.5°	231.6	218.9	184.4	155.2	132.4	120.0	116.9	119.3	122.1	125.5	126.0
35°	258.4	241.4	201.2	165.5	137.7	123.3	119.7	122.6	126.2	129.3	130.3
37.5°	288.8	268.7	219.4	173.9	141.8	125.2	121.4	124.8	128.8	132.0	132.2
40°	319.9	296.7	236.6	181.8	144.6	126.4	122.4	125.7	129.6	132.2	132.4
42.5°	352.5	325.2	252.7	188.2	146.1	126.4	121.9	125.2	128.8	130.3	130.5
45°	390.6	355.4	269.2	192.8	146.6	126.0	121.2	123.8	126.4	126.9	127.6
47.5°	428.9	385.3	283.3	196.1	146.3	124.8	120.0	122.1	123.8	123.3	124.1
50°	469.4	417.9	297.0	198.3	145.1	123.6	118.3	120.2	120.7	119.3	119.3
52.5°	508.2	446.2	307.5	198.5	143.4	122.1	117.1	118.5	118.3	115.7	115.9
55°	547.0	476.3	316.4	196.4	141.1	120.7	115.9	116.9	116.1	113.0	112.6
57.5°	580.3	500.8	320.2	193.3	138.4	119.3	115.2	116.1	114.7	111.1	110.9
60°	608.5	519.7	320.4	188.9	135.3	118.1	114.5	115.7	114.5	110.2	109.7
62.5°	626.0	528.3	314.2	182.2	132.2	116.6	114.5	115.4	114.0	109.7	109.4
65°	628.9	524.0	304.1	174.6	128.6	115.2	114.0	115.2	113.8	109.2	108.7
67°	617.6	511.5	290.5	167.4	125.5	114.0	113.0	114.7	113.0	108.7	108.0
67.5°	613.8	505.8	287.4	166.4	124.8	113.5	112.8	114.2	112.8	108.5	107.8
70°	580.3	474.4	263.9	155.9	120.2	111.1	111.1	112.3	110.9	106.8	105.6
72.5°	528.5	430.3	240.4	145.8	115.2	107.5	108.2	109.4	108.0	104.2	102.7
75°	468.7	380.8	214.3	134.1	109.4	103.9	104.4	105.6	104.2	100.1	98.9
77.5°	402.1	323.5	188.0	123.3	103.5	99.1	99.4	100.1	98.9	94.8	93.6
80°	330.7	266.8	161.2	111.1	96.5	93.2	93.4	93.4	91.7	88.4	87.4
82.5°	266.5	216.7	137.5	100.3	88.8	86.5	86.5	86.2	84.1	81.2	79.7
85°	207.4	174.8	115.2	89.3	81.2	79.0	78.8	77.8	75.7	72.6	70.9
87.5°	162.6	138.4	97.0	78.8	73.5	72.1	70.6	68.5	66.8	64.2	62.7
90°	126.9	109.9	81.9	69.2	66.1	64.2	62.7	60.1	57.5	54.8	54.1
92.5°	99.4	86.9	68.3	60.3	58.4	57.0	55.1	52.2	49.8	46.7	46.9
95°	78.8	70.6	58.2	53.2	51.7	50.5	48.1	45.0	42.4	39.5	39.0
97.5°	61.8	56.3	48.9	46.2	45.7	44.3	41.9	38.8	35.9	32.8	32.8
100°	49.1	46.0	41.2	40.7	39.8	38.8	36.4	33.5	29.9	27.3	27.3
102.5°	39.5	36.9	35.2	35.2	35.0	34.0	31.6	28.7	25.1	22.5	22.5
105°	31.6	30.7	29.9	30.7	30.9	29.9	27.5	24.4	20.8	18.4	18.9
107.5°	26.3	25.6	25.6	26.6	27.1	26.1	23.9	20.6	17.2	15.6	15.6



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CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.8	21.6	22.0	23.2	23.5	22.8	20.6	17.5	14.4	12.9	13.2
112.5°	18.4	18.2	19.2	20.4	20.6	19.9	17.7	14.8	12.0	11.0	11.0
115°	15.6	15.8	16.5	17.5	18.0	17.2	15.3	12.7	9.8	9.3	9.3
117.5°	13.4	13.7	14.4	15.6	15.8	14.8	12.9	10.5	8.4	8.1	8.1
120°	11.7	12.0	12.7	13.4	13.7	12.7	11.0	8.9	7.2	6.9	6.9
122.5°	10.3	10.8	11.3	11.7	12.0	11.0	9.6	7.4	6.0	6.0	6.2
125°	9.1	9.3	9.8	10.3	10.3	9.3	7.9	6.2	5.3	5.3	5.3
127.5°	8.1	8.1	8.4	8.9	8.9	8.1	6.7	5.0	4.6	4.6	4.8
130°	7.2	7.4	7.4	7.4	7.4	6.7	5.5	4.3	3.8	4.1	4.1
132.5°	6.2	6.5	6.5	6.5	6.2	5.5	4.6	3.6	3.4	3.6	3.6
135°	5.5	5.5	5.5	5.5	5.0	4.6	3.6	2.9	2.9	3.1	3.1
137.5°	4.8	4.8	4.8	4.6	4.1	3.6	2.9	2.4	2.4	2.6	2.6
140°	3.8	4.1	3.8	3.6	3.1	2.6	2.2	1.9	2.2	2.2	2.2
142.5°	3.1	3.1	3.1	2.9	2.4	1.9	1.7	1.4	1.7	1.7	1.9
145°	2.4	2.4	2.4	2.2	1.7	1.2	1.2	1.2	1.4	1.4	1.4
147.5°	1.7	1.7	1.7	1.4	1.0	0.7	0.7	0.7	1.0	1.0	1.0
150°	1.2	1.2	1.2	1.0	0.5	0.2	0.2	0.5	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.5	0.2	0.0	0.2	0.5	0.5	0.2	0.2
155°	0.5	0.5	0.5	0.5	0.2	0.0	0.2	0.2	0.2	0.0	0.0
157.5°	0.5	0.5	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0
160°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)